



AD-A233 988

**SURFACE OBSERVATION  
CLIMATIC SUMMARIES**

FOR  
**WHEELER AFB, HI**

Prepared by

OL-A, USAFETAC  
ASHEVILLE, NORTH CAROLINA  
28801-2723

**MARCH 1990**

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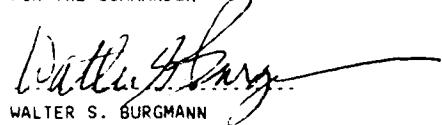
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- 12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
14. SUBJECT TERMS: CLIMATOLOGY, METEOROLOGICAL DATA, ATMOSPHERIC PHENOMENA, WEATHER, SOCS, WHEELER AFB, HAWAII, CEILING, CLOUD COVER, SNOW DEPTH, HUMIDITY, PRESSURE, PRECIPITATION, SNOW TEMPERATURE, VISIBILITY, WIND.
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PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

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## INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: APR 79 - MAR 89 (AIRWAYS).

SUMMARY OF DAY DATA: JUN 39 - APR 49 (FULL TIME).

SUMMARY OF DAY DATA: AUG 63 - MAR 89 (PART TIME).

HOURS SUMMARIZED: 00-23 LST (3906-4904), 05-22 LST (6308-8903).

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/ OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

### TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

\* UTC REPLACED GMT ON 1 AUGUST 1988

STATION NO.	STATION NAME	LATITUDE	LONGITUDE	FLD ELEV (FT)	CALL SIGN	WMO NMBR
ON SUMMARY 911700	WHEELER AFB HI/WAHIWA	N 21 29	W 158 02	836	PHHI	91170

STATION LOCATION AND INSTRUMENTATION HISTORY

Nmbr of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location From	Latitude	Longitude	Elev Above MSL FLD (FT)	OBS BARO (FT)	PER DAY
1	Wheeler Field, HI	AAF	Jun 39	Jun 40	N 21 29	W 158 02	888	890
2	Same	Same	Jul 40	Apr 46	Same	W 158 03	843	846
3	Same	Same	May 46	Oct 47	Same	W 158 02	Same	Same
4	Same	Same	Nov 47	May 48	Same	Same	847	24
5	Wheeler AFB, HI	AFB	Jun 48	Feb 49	Same	Same	Same	Same
6*	Wheeler AFB HI/Wahiawa	Same	Jul 63	Mar 66	Same	Same	836	826
7	Same	Same	Apr 66	Mar 68	Same	Same	848	Same
8	Same	Same	Mar 68	Dec 78	Same	Same	850	Same
9	Same	Same	Jan 79	Apr 86	Same	Same	840	Same
10	Same	Same	May 86	Mar 90	Same	Same	836	Same

\*De-act May 49-Jul 63

Nmbr of Loc	Date of Change	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE
1	Jun 39	3rd floor of Hq Bldg	Anemometer	ML-144	70 ft	
2	Apr 45	2nd floor of Hangar #4	Same	Same	Same	
3	Feb 46	2nd floor of Hangar #2	Same	Same	40 ft	
4	Nov 47	2nd floor of Hangar #4	Same	Same	Same	
5	Jul 63	300' SW of Wea Station	AN/GMQ-1A	ML-204B	16 ft	
6	Aug 65	500' SW of Wea Station	AN/GMQ-11	RO-2	15 ft	
7	Mar 66	300' SW of Wea Station	Same	Same	Same	
8	Jan 71	Same	AN/GMQ-20	RO-362	13 ft	
9	Mar 83	1700' E of BWS	Same	Same	Same	Airfield upgraded
10	Mar 90	Same	Same	Same	Same	

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	AAAAAA
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRR	TT	AA AA
PPPPPPPP	AAAAAAA	RRRRRRR	TT	AAAAAAA
PP	AAAAAAA	RR RR	TT	AAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE & OR HAZE	BLOWING SNOW	DUST & OR SAND	ALL OBST	ALL TO VSN	TOTAL NO. OF OBS
00-02													0
03-05		13.9				13.9	.8				14.8	122	
06-08		13.9				13.9	2.6	.1			16.7	762	
09-11	.2	13.1				13.1	2.2				15.2	881	
12-14	.2	12.6				12.6	2.2	.1			14.9	881	
15-17	.6	11.7				11.7	1.8	.3			13.9	869	
18-20	.3	12.2				12.2	2.0	.5			14.6	664	
21-23	.6	12.5				12.5	1.6	.6			14.7	320	
ALL HOURS		.3	12.7			12.7	2.1	.2			15.0	4499	

MONTH: FEB

00-02													0
03-05		11.0				11.0	3.4	.8			15.3	118	
06-08	.6	12.8				12.8	2.5	.3			15.6	724	
09-11		13.3				13.3	1.7	.4			15.4	840	
12-14	.2	11.4				11.4	1.8	4			13.5	837	
15-17	.2	10.4				10.4	1.1				11.5	829	
18-20	.2	11.1				11.1	1.3				12.3	632	
21-23	.3	13.2				13.2	1.6				14.8	304	
ALL HOURS		.2	11.9			11.9	1.7	.2			13.8	4284	

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST	TOTAL NO. OF OBS
00-02												0
03-05	1.5	10.6				10.6	.8				11.4	132
06-08		15.0				15.0	.9	.2			16.1	802
09-11		11.5				11.5	.4	.1			12.0	924
12-14	1.0	14.1				14.1	1.1				15.2	924
15-17	.8	15.3				15.3	.9	.1			16.3	914
18-20		16.3				16.3	.4				16.7	718
21-23		16.0				16.0					16.0	351
ALL HOURS	.4	14.3				14.3	.7	.1			15.1	4765

MONTH: APR

00-02												0
03-05		22.2				22.2	2.8				25.0	108
06-08	.1	22.1				22.1	1.5	.3			23.8	780
09-11		19.1				19.1	1.2	.1			20.5	888
12-14		14.8				14.8	.4	.3			15.6	889
15-17	.1	12.6				12.6	.8				13.4	891
18-20	.1	19.8				19.8	1.7				21.5	717
21-23		23.4				23.4	1.9				25.3	367
ALL HOURS	.1	18.1				18.1	1.2	.1			19.4	4640

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05	.9	11.0				11.0					11.0	109
06-08	.1	12.8				12.8	1.4				14.2	798
09-11	.1	9.3				9.3	.3	.1			9.8	921
12-14	.2	8.9				8.9	.7				9.6	917
15-17	.3	11.3				11.3	1.2				12.5	910
18-20		13.6				13.6	1.4				15.0	726
21-23		10.0				10.0	.5				10.5	370
ALL HOURS	.2	11.0				11.0	.9	.0			11.9	4751

MONTH: JUN

00-02												0
03-05		11.3				11.3					11.3	106
06-08		11.8				11.8	.8				12.5	790
09-11		8.9				8.9	.1				9.0	900
12-14	.1	9.3				9.3	.1				9.5	899
15-17	.3	8.7				8.7	.3				9.0	900
18-20	.3	9.6				9.6	.4				10.0	727
21-23		13.5				13.5	1.3				14.8	384
ALL HOURS	.1	10.0				10.0	.4				10.4	4706

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE & OR HAZE	BLOWING SNOW	DUST & OR SAND	ALL OBST	TOTAL NO. OF OBS
00-02												0
03-05	.9	18.9				18.9	.9				19.8	106
06-08	.3	17.0				17.0	.5				17.5	787
09-11	.3	14.1				14.1	.2				14.3	915
12-14	.2	8.1				8.1					8.1	915
15-17	.3	9.1				9.1					9.1	908
18-20		9.2				9.2					9.2	726
21-23		14.2				14.2					14.2	373
ALL HOURS	.2	11.8				11.8	.1				12.0	4730

MONTH: AUG

00-02												0
03-05		9.0				9.0	.9				9.9	111
06-08		10.4				10.4	.1				10.5	811
09-11		7.7				7.7	.3				8.1	930
12-14		5.7				5.7					5.7	929
15-17		6.0				6.0					6.0	929
18-20	.5	7.6				7.6	.1				7.8	748
21-23		12.9				12.9	.5				13.5	394
ALL HOURS	.1	7.9				7.9	.2				8.1	4852

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP

HOURS (LST)	TSTMS PRECIP	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG & OR HAZE	SMOKE SNOW	BLOWING DUST & OR SAND	DUST OBST TO VSN	ALL TOTAL NO. OF OBS
00-02											0
03-05	1.0	6.8				6.8				6.8	103
06-08		6.4				6.4	.3			6.6	768
09-11	.1	4.9				4.9				4.9	891
12-14	.7	6.9				6.9		.1		7.0	889
15-17	.6	9.0				9.0				9.0	884
18-20	.4	6.0				6.0				6.0	702
21-23		5.8				5.8				5.8	364
ALL HOURS	.3	6.6				6.6	.0	.0		6.7	4601

MONTH: OCT

00-02											0
03-05		4.6				4.6				4.6	109
06-08	.3	8.4				8.4	1.3	.1		9.8	789
09-11	.2	7.4				7.4	.5	.3		8.3	921
12-14	.3	7.2				7.2	.3	.1		7.6	921
15-17	.4	7.0				7.0	.4			7.4	914
18-20	.4	8.1				8.1	1.1			9.2	718
21-23	.3	6.2				6.2	.6			6.7	341
ALL HOURS	.3	7.4				7.4	.7	.1		8.2	4713

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV

HOURS (LST)	TSTM	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05			15.2			15.2					15.2	92
06-08	.3	17.4				17.4	2.4				19.8	711
09-11	.2	15.4				15.4	2.0				17.4	856
12-14	.2	12.7				12.7	1.4				14.1	852
15-17		11.0				11.0	1.4	.1			12.6	844
18-20	.3	11.2				11.2	.2				11.4	616
21-23	.3	16.0				16.0					16.0	294
ALL HOURS	.2	13.8				13.8	1.4	.0			15.2	4265

MONTH: DEC

00-02												0
03-05			16.0			16.0	2.1				18.1	94
06-08	.3	12.2				12.2	2.3				14.5	731
09-11		13.6				13.6	2.1				15.6	876
12-14	.1	14.0				14.0	2.4				16.4	870
15-17	.1	13.6				13.6	1.9				15.5	850
18-20		11.8				11.8	2.2				14.0	578
21-23		7.7				7.7	1.7				9.4	233
ALL HOURS	.1	12.9				12.9	2.2				15.1	4232

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
HOURS: ALL

MONTH	TSTMS	LIQUID PRECI-	FREEZ PRECIP	FROZEN PRECIP	HAIL PRECIP	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.3	12.7				12.7	2.1	.2			15.0	4499
FEB	.2	11.9				11.9	1.7	.2			13.8	4284
MAR	.4	14.3				14.3	.7	.1			15.1	4765
APR	.1	18.1				18.1	1.2	.1			19.4	4640
MAY	.2	11.0				11.0	.9	.0			11.9	4751
JUN	.1	10.0				10.0	.4				10.4	4706
JUL	.2	11.8				11.8	.1				12.0	4730
AUG	.1	7.9				7.9	.2				8.1	4852
SEP	.3	6.6				6.6	.0	.0			6.7	4601
OCT	.3	7.4				7.4	.7	.1			8.2	4713
NOV	.2	13.8				13.8	1.4	.0			15.2	4265
DEC	.1	12.9				12.9	2.2				15.1	4232
ANNUAL	.2	11.5				11.5	.9	.1			12.5	55038

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: 6308-8903  
MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE & OR HAZE	BLOWING SNOW	DUST & OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	3.1	54.0				54.0	10.0	1.3			55.0	771
FEB	2.4	54.5				54.5	7.7	.8			54.8	723
MAR	2.8	57.3			.1	57.3	6.7	1.0			57.9	796
APR	3.5	64.5				64.5	5.9	1.2			64.9	747
MAY	3.3	60.5				60.5	5.1	1.3			60.9	768
JUN	1.5	60.5				60.5	2.9	.3			60.5	749
JUL	1.6	59.4				59.4	2.5	.1			59.4	769
AUG	.3	57.7				57.7	2.6				57.7	797
SEP	3.7	51.7				51.7	.8	.8			52.1	739
OCT	4.2	56.4				56.4	4.0	1.3			57.0	795
NOV	4.1	60.3				60.3	7.4	.1			60.6	753
DEC	2.4	53.2				53.2	10.8	1.1			53.7	761
ANNUAL	2.7	57.5			.0	57.5	5.5	.8			57.9	9168

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 9111700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02												
03-05			1.5		.9		.9		1.0			
06-08			.6		.1	.1		.3		.3	.3	.3
09-11	.2				.1		.3		.1	.2	.2	
12-14	.2	.2	1.0		.2	.1	.2		.7	.3	.2	.1
15-17	.6	.2	.8	.1	.3	.3	.3		.6	.4		.1
18-20	.3	.2		.1		.3		.5	.4	.4	.3	
21-23	.6	.3								.3	.3	
ALL HOURS	.3	.2	.4	.1	.2	.1	.2	.1	.3	.3	.2	.1
TOTAL OBS	4499	4284	4765	4640	4751	4706	4730	4852	4601	4713	4265	4232

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER:	911700	STATION NAME:	WHEELER AFB HI	PERIOD OF RECORD: APR 79 - MAR 89			
		LST TO UTC:	+10	MONTH: JAN HOURS: ALL			
PHENOMENA	CALM	VARIABLE	360 - 099	100 - 189	190 - 279	280 - 359	NO OF OBS
TSTM	15.4		23.1	38.5	7.7	15.4	13
LIQUID PRECIP	10.6		24.2	23.0	14.5	27.6	565
FREEZING PRECIP							
FROZEN PRECIP							
FOG	18.3		9.7	20.4	16.1	35.5	93
FOG WITH VIS GE 1/2 MILES	18.0		10.1	18.0	16.9	37.1	89
TOTAL OBS	937	0	1145	885	356	1176	0
							4499

				MONTH: FEB HOURS: ALL		
TSTM			20.0	30.0	50.0	10
LIQUID PRECIP	9.5		27.6	19.6	8.9	34.3
FREEZING PRECIP						
FROZEN PRECIP						
FOG	12.5		12.5	23.6	12.5	38.9
FOG WITH VIS GE 1/2 MILES	12.5		12.5	23.6	12.5	38.9
TOTAL OBS	846	0	1144	735	442	1117
						0
						4284

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 099	100 - 189	190 - 279	280 - 359	NO OF OBS
TSTMS			16.7	11.1	16.7	55.6	18
LIQUID PRECIP	14.2		50.8	17.1	6.2	11.7	677
FREEZING PRECIP							
FROZEN PRECIP							
FOG	15.2		33.3	21.2	15.2	15.2	33
FOG WITH VIS GE 1/2 MILES	15.2		33.3	21.2	15.2	15.2	33
TOTAL OBS	718	0	2227	775	261	784	0
							4765

MONTH: APR HOURS: ALL

TSTMS	33.3	66.7					3
LIQUID PRECIP	12.2	60.1	12.5	2.9	12.3		837
FREEZING PRECIP							
FROZEN PRECIP							
FOG	17.9	48.2	14.3	1.8	17.9		56
FOG WITH VIS GE 1/2 MILES	17.9	48.2	14.3	1.8	17.9		56
TOTAL OBS	673	0	2644	627	112	584	0
							4640

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 099	100 - 189	190 - 279	280 - 359	NO OF OBS
TSTM	25.0		37.5	12.5	25.0		8
LIQUID PRECIP	16.6		50.5	12.6	3.1	17.2	517
FREEZNG PRECIP							
FROZEN PRECIP							
FOG	30.2		23.3	7.0		39.5	43
FOG WITH VIS GE 1/2 MILES	30.2		23.3	7.0		39.5	43
TOTAL OBS	825	0	2635	648	93	550	0 4751

MONTH: JUN HOURS: ALL

TSTM		33.3	33.3	16.7	16.7		6
LIQUID PRECIP	19.8	57.6	11.2	1.9	9.5		465
FREEZING PRECIP							
FROZEN PRECIP							
FOG	26.3	10.5	26.3	5.3	31.6		19
FOG WITH VIS GE 1/2 MILES	26.3	10.5	26.3	5.3	31.6		19
TOTAL OBS	778	0	3048	503	65	312	0 4706

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 099	100 - 189	190 - 279	280 - 359	NO OF OBS
TSTMS	36.4		9.1	27.3		27.3	11
LIQUID PRECIP	25.2		57.8	8.7	2.0	6.3	552
FREEZING PRECIP							
FROZEN PRECIP							
FOG	57.1		14.3			28.6	7
FOG WITH VIS GE 1/2 MILES	57.1		14.3			28.6	7
TOTAL OBS	838	0	3125	473	53	241	0 4730

MONTH: AUG HOURS: ALL

TSTMS		50.0			50.0		4
LIQUID PRECIP	25.6		51.4	10.7	2.6	9.7	383
FREEZING PRECIP							
FROZEN PRECIP							
FOG	37.5		25.0	25.0	12.5		8
FOG WITH VIS OF 1/2 MILES	37.5		25.0	25.0	12.5		8
TOTAL OBS	924	0	2992	556	64	316	) 4852

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700		STATION NAME: WHEELER AFB HI LST TO UTC: +10		PERIOD OF RECORD: APR 79 - MAR 84 MONTH: SEP HOURS: ALL			
PHENOMENA	CALM	VARIABLE	360 - 099	100 - 189	190 - 279	280 - 359	NO OF OBS
TSTM	12.5		18.8	25.0	6.3	37.5	16
LIQUID PRECIP	21.5		45.7	13.7	6.1	13.0	293
FREEZING PRECIP							
FROZEN PRECIP							
FOG			50.0	50.0			2
FOG WITH VIS GE 1/2 MILES			50.0	50.0			2
TOTAL OBS	959	0	2439	542	111	550	0
							4601

		MONTH: OCT HOURS: ALL				
TSTM	6.7	33.3	20.0	6.7	33.3	15
LIQUID PRECIP	21.1	47.9	13.7	3.0	14.3	336
FREEZING PRECIP						
FROZEN PRECIP						
FOG	25.0	9.4	59.4		6.3	32
FOG WITH VIS GE 1/2 MILES	25.8	9.7	58.1		6.5	31
TOTAL OBS	947	0	2311	678	112	665
						4713

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 099	100 - 189	190 - 279	280 - 359	NO OF OBS
TSTMS	33.3		22.2		22.2	22.2	9
LIQUID PRECIP	21.9		38.9	14.6	2.6	22.1	584
FREEZING PRECIP							
FROZEN PRECIP							
FOG	22.0		32.2	11.9	1.7	32.2	59
FOG WITH VIS GE 1/2 MILES	22.0		32.2	11.9	1.7	32.2	59
TOTAL OBS	897	0	1893	631	114	730	0
							4265

MONTH: DEC HOURS: ALL

TSTMS	25.0		25.0	50.0			4
LIQUID PRECIP	13.1		28.5	24.4	10.8	23.2	544
FREEZING PRECIP							
FROZEN PRECIP							
FOG	14.3		19.8	33.0	7.7	25.3	91
FOG WITH VIS GE 1/2 MILES	14.3		19.8	33.0	7.7	25.3	91
TOTAL OBS	850	0	1249	909	292	932	0
							4232

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700		STATION NAME: WHEELER AFB HI		PERIOD OF RECORD: APR 79 - MAR 89			
		LST TO UTC: +10		MONTHS: ALL			
PHENOMENA	CALM	VARIABLE	360 - 099	100 - 189	190 - 279	280 - 359	NO OF OBS
TSTM	13.7		23.9	20.5	11.1	30.8	117
LIQUID PRECIP	16.8		45.5	15.3	5.4	16.9	6257
FREEZING PRECIP							
FROZEN PRECIP							
FOG	19.4		21.7	22.9	7.8	28.2	515
FOG WITH VIS GE 1/2 MILES	19.4		22.0	22.4	7.8	28.4	510
TOTAL OBS	10192	0	26852	7962	2075	7957	0
							55038

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	BBBBBBBBB
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	BBBBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPPP	AA AA	RRRRRRRR	TT	BBBBBBBBB
PPPPPPPP	AAAAAAA	RRRRRRR	TT	BBBBBBBBB
PP	AAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBBB

PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (\*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN POR.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE	NAVY AND NATIONAL WEATHER SERVICE
THROUGH 1945: 0800 LST	THROUGH JUN 1952: 0030 GMT
JAN 1946 TO MAY 1957: 1230 LST	JUN 1952 TO MAY 1957: 1230 GMT
JUN 1957 TO PRESENT: 1200 GMT	JUN 1957 TO PRESENT: 1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER:	911700	STATION NAME: WHEELER AFB HI LST TO UTC: +10												PERIOD OF RECORD: 3906-4904,6308-8903		
AMOUNTS (INCHES)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN		
NONE		71.4	32.7	28.3	22.4	27.8	25.7	24.5	26.6	31.2	28.9	25.3	25.9	27.5		
TRACE		17.6	17.6	19.2	18.6	20.1	22.8	22.7	22.2	20.1	22.7	17.2	17.0	19.8		
.01		7.1	6.9	7.5	7.4	9.1	9.2	8.6	9.0	10.4	8.1	8.8	8.0	8.4		
.02-.05		13.3	12.2	13.6	19.4	19.3	19.8	18.9	18.2	17.3	15.3	17.2	13.6	16.5		
.06-.10		7.5	6.5	8.8	9.9	8.6	9.9	10.5	11.4	8.0	7.8	8.4	7.4	8.7		
.11-.25		7.4	9.7	10.1	11.5	7.4	8.2	9.5	8.4	6.6	9.0	9.4	10.0	8.9		
.26-.50		6.1	6.7	5.7	5.0	4.6	2.8	3.1	2.3	3.4	3.7	6.3	8.4	4.8		
.51-1.00		4.7	3.8	3.9	3.5	1.8	.9	1.3	1.5	1.4	2.4	2.8	4.8	2.7		
1.01-2.50		2.8	3.1	2.3	1.8	1.1	.7	.8	.4	1.3	1.2	3.7	3.5	1.9		
2.51-5.00		1.5	.9	.6	.4	.1				.3	.7	.6	1.2	.5		
5.01-10.00		.5			.2						.3	.5	.3	.1		
10.01-20.00																
OVER 20.00																
DAYS WITH MEAS AMTS		50.9	49.7	52.5	59.1	52.1	51.5	52.7	51.2	48.7	48.4	57.5	57.1	52.6		
TOTAL NO. OF OBSERVATIONS		1078	1006	1103	1038	1044	1049	1077	1092	1039	1105	1053	1070	12754		

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: 3906-4904,6308-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
39						1.20	1.80	1.32	3.90	15.65	3.90	1.42	29.19*
40	4.42	1.33	4.27	2.49	3.54	.80	1.53	2.44	1.32	1.31	11.20	1.30	35.95
41	1.58	1.01	2.10	.62	1.02	3.54	.65	1.80	1.75	7.75	.62	4.17	26.61
42	.72	3.85	3.03	3.19	.88	1.54	2.73	1.38	1.85	6.21	3.65	11.77	40.80
43	9.60	4.51	2.94	2.83	4.00	.70	.98	1.88	1.28	1.23	1.34	2.61	33.90
44	.36	5.16	11.40	.75	.54	2.20	1.11	.97	.39	1.14	1.05	2.99	28.06
45	.16	2.43	1.91	15.78	.66	.45	5.24	2.45	2.72	.53	2.95	6.25	41.53
46	5.16	5.80	4.60	1.49	.29	1.10	2.34	.16*	.35	1.92	3.16	9.50	35.87*
47	.62	1.31	3.49	3.25	2.77	1.19	1.46	2.58	2.03	.69	2.75	4.52	26.66
48	10.66	4.58	3.54	2.47	4.05	1.12	2.63	1.10	2.18	3.34	5.44	7.71	48.82
49	18.13	7.89	3.17	1.25*									30.44*
63								.70*	2.74*	1.48*	.68*	2.85*	8.45*
64	3.74*	2.24*	4.18*	1.85	1.00	.50	2.41	.74	1.04	1.42	10.75	15.93	45.80*
65	4.50	2.65	1.27	4.44	9.17	.68	2.19	1.44	1.10	6.54	18.40	12.88	65.26
66	1.18	6.96	.52	1.05	.89*	.57	4.01	2.22	2.35	3.80	14.69	4.82	43.06*
67	1.99	2.24	9.82	5.47	4.14	3.59	3.31	4.32	1.21	2.34	4.30	11.08	53.81
68	11.12	5.14	5.22	6.35	1.03	.75	1.38	.38	2.11	7.24	6.61	12.80	60.13
69	15.79	5.14	1.84	1.43	2.01	.72	2.08	1.48	1.31	1.99	5.89	2.86	42.54
70	7.52	1.23	.58	1.50	1.39	.91	3.41	1.07	1.11	3.82	7.88	3.41	33.83
71	18.25	2.64	5.66	5.99	1.65	2.68	1.13	2.26	4.60	5.04	2.41	5.70	58.01
72	6.96	5.50	3.11	5.88	.96	1.40	.96	.78	2.73	5.43	4.37	3.81	41.89
73	.84	1.56	3.37	1.56	3.26	1.25	2.35	1.69	1.23	2.88	7.00	5.70*	32.69*
74	10.71	3.55	14.04	13.46	3.36	1.63	3.37	.66	12.80	2.95	6.95	2.28	75.76
75	8.90	5.51	3.86	1.91	.74	.51	.92	.94	.46	1.18	17.44	1.43	43.80
76	2.05	14.49	5.91	3.35	1.38	1.14	1.55	1.15	.59	.49	1.51	.70	34.31
77	1.00	1.30	4.30	3.81	5.48	2.58	.98	.72	.83	.75	1.34	3.68	26.77
78	1.20	.82	1.76	3.51	4.83	3.44	.81	2.06	1.00	8.54	4.62	4.70	37.29
79	5.66	17.65	1.19	1.76	1.33	2.30	.77	2.18	2.03	.99	2.28	3.16	41.30
80	19.78	4.39	11.85	3.25	2.76	3.20	2.03	1.16	1.32	3.93	1.02	9.71	64.40
81	2.25	5.12	2.29	1.94	2.17	1.34	1.80	1.89	1.26	3.90	6.12	8.15	38.23
82	21.86	6.07	7.62	8.45	2.13	4.19	2.94	4.85	2.86	12.53	4.77	5.19	83.46
83	1.44	.34	.98	1.98	1.20	1.28	2.91	1.64	2.16	1.49	.70	1.62	17.74
84	2.67	3.64	4.48	5.76	1.06	1.87	.79	.26	1.14	1.43	3.89	11.19	38.18
85	6.21	6.22	4.21	.78	3.21	.62	1.13	1.78	2.61	8.60	4.10	1.91	41.38

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: 3906-4904,6308-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	.73	2.56	2.36	4.21	2.55	2.50	3.52	1.21		2.22	4.58	2.13	28.57*
87	2.18	2.33	1.45	3.50	1.37	3.03	1.12	1.73	3.44	1.22	4.53	18.67	44.57
88	4.52	.91	2.14	2.33	2.15	.58	1.14	2.42	4.32	.79	6.15	11.49*	38.94*
89	6.64	9.06	4.70										20.40*
LEAST	.16	.34	.52	.62	.29	.45	.65	.26	.35	.49	.62	.70	17.74
GREATEST	21.86	17.65	14.04	15.78	9.17	4.19	5.24	4.85	12.80	15.65	18.40	18.67	83.46
MEAN	6.21	4.42	4.14	3.78	2.37	1.63	1.98	1.67	2.16	3.75	5.38	6.06	43.75
MEDIAN	4.50	3.85	3.37	3.01	2.01	1.25	1.80	1.56	1.54	2.34	4.37	4.52	41.34
SD	6.174	3.655	3.248	3.325	1.817	1.066	1.099	.968	2.168	3.547	4.400	4.656	15.354
TOTAL OBS	1078	1006	1103	1038	1044	1049	1077	1092	1039	1105	1053	1070	12754

THE GREATEST VALUE OF 21.86 OCCURRED ON 01/82

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: 3906-4904, 6308-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
39					.18	.78	.31	2.78	6.95	1.37	.37	6.95*	
40	1.47	.35	1.78	.74	.58	.13	.45	.31	.43	.65	7.26	.33	7.26
41	.65	.29	.55	.38	.18	2.43	.23	.33	1.19	1.65	.28	1.04	2.43
42	.24	1.11	.49	2.21	.35	.61	1.44	.59	.64	3.44	1.58	2.69	3.44
43	2.31	.70	1.11	.54	1.36	.19	.20	.41	.32	.25	.52	1.06	2.31
44	.08	1.89	3.25	.16	.15	.50	.32	.18	.22	.46	.44	1.38	3.25
45	.09	.69	.51	5.37	.46	.07	1.83	.76	1.36	.12	1.57	4.39	5.37
46	.93	2.22	.71	.26	.12	.33	.45	.07*	.13	.54	2.07	1.83	2.22*
47	.19	.66	1.19	1.00	.59	.26	.58	.74	.77	.14	.58	.68	1.19
48	3.45	1.92	1.47	.63	1.32	.41	.68	.39	.87	.61	1.68	.93	3.45
49	7.71	3.66	.80	.42*									7.71*
63								.21*	1.83*	.44*	.16*	.72*	1.83*
64	.99*	.48*	1.43*	.45	.33	.11	1.34	.22	.29	.22	5.21	5.33	5.33*
65	1.05	1.41	.97	1.71	2.93	.14	.68	.20	.45	4.34	6.10	6.10	6.10
66	.32	2.22	.17	.27	.46*	.09	2.32	.92	1.31	2.01	5.24	.78	5.24*
67	.48	.77	3.09	1.38	1.76	2.31	.91	2.18	.40	.59	1.05	2.08	3.09
68	3.54	1.23	1.39	1.55	.53	.12	.65	.11	.72	3.00	2.05	3.27	3.54
69	6.51	3.76	.84	.53	1.00	.13	.40	.46	.32	.62	1.98	.42	6.51
70	2.97	.45	.20	.20	.23	.16	1.56	.25	.36	2.02	2.38	.76	2.97
71	3.97	1.41	1.44	1.42	.45	1.17	.52	.71	1.97	2.54	1.24	1.63	3.97
72	5.50	1.93	1.06	2.91	.62	.27	.50	.24	1.78	2.16	1.39	1.62	5.50
73	.47	.55	.46	.33	.81	.22	.57	.38	.26	.60	1.87	1.82*	1.87*
74	2.64	1.33	4.66	7.42	1.38	.83	1.84	.16	3.39	.69	1.95	.74	7.42
75	3.40	4.17	1.56	.25	.18	.12	.19	.34	.15	.46	6.54	.62	6.54
76	.78	3.84	1.42	.61	.34	.19	.38	.49	.14	.11	.39	.18	3.84
77	.38	.54	.94	1.25	2.19	1.14	.18	.12	.18	.43	.26	1.53	2.19
78	.57	.60	.33	1.69	1.79	1.08	.15	.69	.20	4.30	2.53	1.00	4.30
79	1.25	4.31	.64	.46	.33	.46	.32	1.74	1.05	.44	1.56	1.15	4.31
80	9.51	1.85	3.12	.60	.94	.86	.53	.26	.83	1.06	.44	4.24	9.51
81	.67	1.25	.63	.76	1.35	.42	.57	.66	.38	1.52	1.32	4.54	4.54
82	7.06	1.37	1.67	3.24	.90	2.31	.62	1.20	1.88	4.47	2.29	1.55	7.06
83	.28	.20	.43	.55	.30	.30	.67	.53	.73	.33	.17	.87	.87
84	1.43	2.46	1.65	1.03	.25	1.05	.20	.14	.33	.91	2.45	5.79	5.79
85	1.57	1.39	.92	.33	.56	.37	.40	.97	.59	8.08	1.39	.57	8.08

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: 3906-4904,6308-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	.36	.77	.95	1.61	1.40	.63	1.54	.26	.92	1.74	.39	1.74*	
87	.64	.50	.99	.83	.36	.75	.22	.43	1.61	.42	1.70	4.99	4.99
88	2.90	.28	.52	.64	.42	.13	.22	1.00	2.36	.36	2.69	3.40*	3.40*
89	2.23	1.99	2.08										2.23*
GREATEST	9.51	4.31	4.66	7.42	2.93	2.43	2.32	2.18	3.39	8.08	7.26	6.10	9.51
TOTAL OBS	1078	1006	1103	1038	1044	1049	1077	1092	1039	1105	1053	1070	12754

THE GREATEST VALUE OF 9.51 OCCURRED ON 01/10/80

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 2 - 3B

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: 6308-8903  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TRACE													
0.1-0.4													
0.5-1.4													
1.5-2.4													
2.5-3.4													
3.5-4.4													
4.5-6.4													
6.5-10.4													
10.5-15.4													
15.5-25.4													
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS													
TOTAL NO. OF OBSERVATIONS	771	723	796	747	768	749	769	797	739	795	753	761	9168

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

YEAR	PERIOD OF RECORD: 6308-8903												
	STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI LST TO UTC: +10			MONTH: ALL HOURS: ALL									
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
63								.0*	.0*	.0*	.0*	.0*	.0*
64	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0*
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*
87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*
89	.0	.0	.0										.0*

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
LEAST	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
GREATEST	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEDIAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS	771	723	796	747	768	749	769	797	739	795	753	761	9168

THE GREATEST VALUE OF .0 OCCURRED ON 08/63

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 011700

STATION NAME: WHEELER AFB HI

LST TO UTC: +10

PERIOD OF RECORD: 6308-8903

MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
63								.0*	.0*	.0*	.0*	.0*	.0*
64	.0*	.0*	.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0*	.0	.0	.0	.0	.0	.0	.0	.0*
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
86	.0	.0	.0	.0	.0	.0	.0	.0	.	.0	.0	.0	.0*
87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*	.0*
89	.0	.0	.0										.0*

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: 6308-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GREATEST	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL OBS	771	723	796	747	768	749	769	797	739	795	753	761	9168

THE GREATEST VALUE OF .0 OCCURRED ON 08/01/63

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES  
FROM SUMMARY OF DAY DATA

AMOUNTS (INCHES)	PERIOD OF RECORD: 6308-8903												
	MONTH: ALL HOURS: ALL												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TRACE													
1													
2													
3													
4-6													
7-12													
13-24													
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS													
TOTAL NO. OF OBSERVATIONS	771	723	796	747	768	749	769	797	739	795	753	761	9168

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: 6308-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
63								0*	0*	0*	0*	0*	0*
64	0*	0*	0*	0	0	0	0	0	0	0	0	0	0*
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0*	0	0	0	0	0	0	0	0*
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0
81	0	0	0	0	0	0	0	0	0	0	0	0	0
82	0	0	0	0	0	0	0	0	0	0	0	0	0
83	0	0	0	0	0	0	0	0	0	0	0	0	0
84	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0
86	0	0	0	0	0	0	0	0	0	0	0	0	0*
87	0	0	0	0	0	0	0	0	0	0	0	0	0*
88	0	0	0	0	0	0	0	0	0	0	0	0	0*
89	0	0	0	0	0	0	0	0	0	0	0	0	0*

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: 6308-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GREATEST	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL OBS	771	723	796	747	768	749	769	797	739	795	753	761	9168

THE GREATEST VALUE OF 0 OCCURRED ON 08/01/63

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	CCCCCC
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	CCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPPP	AAAAAAA	RRRRRRR	TT	CC
PP	AAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCC
PP	AA AA	RR RR	TT	CCCCC

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANs, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANs FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'  
USAFTAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: 6608-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
66									E *22	ENE 22	ENE 25	S 27	E *33
67	*	*	SSE*22	ESE 25	ESE*19	E *23	E *27	E 31	ESE 29	E 27	E 38	W 43	W *43
68	WSW 31	WNW 43	E 26	NNW 33	E 25	SSE 27	09/ 28	11/ 30	08/ 24	23/ 22	04/ 28	11/ 30	WNW 43
69	20/ 28	07/ 37	07/ 29	05/ 26	05/ 25	06/ 24	04/ 25	05/ 24	04/ 25	03/ 19	07/ 32	07/ 28	07/ 37
70	25/ 60	08/ 40	08/ 31	03/ 38	03/ 27	05/ 30	09/ 28	03/ 30	03/ 26	36/ 28	22/ 36	05/ 41	25/ 60
71	21/ 68	06/ 37	27/ 33	09/ 32	09/ 26	06/ 25	08/ 24	06/ 27	10/ 26	06/ 21	09/ 24	06/ 30	21/ 68
72	17/ 23	21/ 44	20/ 30	06/ 29	05/ 26	07/ 27	06/ 39	05/ 27	07/ 24	08/ 23	09/ 24	26/ 25	21/ 44
73	08/ 25	07/ 24	11/ 27	35/ 30	08/ 24	08/ 25	06/ 22	09/ 26	07/ 20	09/ 18	16/ 19	24/*25	35/*30
74	26/*34	11/ 24	21/ 33	09/ 25	07/ 22	10/ 22	03/ 22	06/ 29	06/ 19	08/ 21	07/ 26	04/ 30	26/*34
75	08/ 27	15/ 22	08/ 26	07/ 25	07/ 25	06/ 23	09/ 27	07/ 30	08/ 28	03/ 24	20/ 30	08/ 24	07/ 30
76	32/ 27	05/ 41	07/ 26	05/ 34	07/ 26	08/ 27	07/ 27	09/ 26	05/ 25	07/*25	05/*31	09/*28	05/*41
77	15/ 27	11/ 28	08/ 32	07/ 37	08/ 0	07/ 27	10/ 28	10/ 29	09/ 28	04/ 28	09/ 33	18/ 32	07/ 37
78	22/ 36	09/ 26	27/ 32	07/ 28	10/ 27	09/ 26	10/ 28	08/ 27	07/ 28	08/ 26	15/ 28	08/ 36	22/ 36
79	19/ 35	16/ 34	11/ 28	11/ 27	07/ 24	05/ 26	08/ 28	07/ 25	07/ 25	06/ 34	05/ 28	27/ 40	27/ 40
80	24/ 68	24/ 34	10/ 31	06/ 29	12/*28	06/ 26	11/ 22	07/ 23	09/ 23	07/ 23	07/ 22	25/ 30	24/*68
81	27/ 34	20/ 48	08/ 29	08/ 29	05/ 26	10/ 23	08/*23	12/ 21	08/ 22	02/ 25	08/ 33	02/ 29	20/*48
82	22/ 38	20/ 48	08/*27	36/ 24	08/ 25	09/ 25	03/ 27	08/ 28	10/ 26	08/ 27	34/ 68	01/ 27	34/*68
83	32/ 24	22/ 23	21/ 24	07/ 25	06/ 27	05/ 26	06/ 24	04/ 26	11/ 28	08/ 27	13/*20	24/ 36	24/*36
84	06/ 23	12/*26	09/*23	07/ 26	04/ 22	07/ 24	07/*26	09/ 25	05/ 21	10/ 25	07/ 24	07/*32	07/*32
85	22/ 34	16/ 27	06/ 35	05/ 24	34/ 27	09/ 24	04/ 23	11/*24	07/ 20	09/ 26	31/ 30	*	06/*35
86	14/*10	*	*	*	*	07/*24	09/*24	09/ 21		05/ 22	09/ 26	26/*40	26/*40
87	05/*27	22/ 32	33/ 29	06/ 29	02/ 25	04/ 26	09/ 25	10/ 25	35/ 23	06/ 22	32/ 26	15/ 32	22/*32
88	36/ 22	10/ 28	10/ 22	06/ 20	09/ 13	12/ 22	01/ 32	16/ 24	12/*24	10/ 20	22/ 38	08/*30	22/*38
89	07/*28	26/ 35	22/ 40										22/*40

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: 6608-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GREATEST	21/ 68	20/ 48	22/ 40	03/ 38	08/ 30	05/ 30	06/ 39	E 31	ESE 29	06/ 34	34/ 68	W 43	21/ 68
TOTAL OBS	591	584	637	620	609	625	647	689	652	696	658	624	7632

THE PEAK WIND OF 68 FROM 21/ OCCURRED ON 01/05/71

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH  
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: 6608-8903  
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS												MEAN WIND	MEDIAN WIND	TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
JAN	.0	3.2	32.0	36.2	18.4	5.6	1.9	.8	.5	.8	.5	17.7	16.0	591	
FEB	.0	1.4	21.6	38.4	25.3	8.2	2.9	1.2	1.0	.0	.0	18.8	18.0	584	
MAR	.0	.6	18.8	34.1	31.2	11.8	3.0	.3	.2	.0	.0	19.2	19.0	637	
APR	.0	.8	15.2	40.8	34.0	7.3	1.6	.3	.0	.0	.0	18.9	19.0	620	
MAY	.2	.5	20.0	41.7	31.9	5.6	.2	.0	.0	.0	.0	18.1	18.0	609	
JUN	.0	.2	11.8	44.2	37.9	5.8	.2	.0	.0	.0	.0	18.8	19.0	625	
JUL	.0	.3	6.8	39.6	47.4	5.4	.3	.2	.0	.0	.0	19.5	20.0	647	
AUG	.0	.1	11.2	41.9	39.6	6.5	.6	.0	.0	.0	.0	19.0	19.0	689	
SEP	.0	1.1	17.5	47.4	29.8	4.3	.0	.0	.0	.0	.0	17.9	18.0	652	
OCT	.0	1.9	28.6	44.4	21.3	3.7	.1	.0	.0	.0	.0	16.9	16.0	696	
NOV	.0	3.5	24.8	37.4	24.9	7.3	1.5	.5	.0	.0	.2	17.7	17.0	658	
DEC	.0	4.2	27.2	33.5	22.0	8.0	3.4	1.0	.8	.0	.0	17.9	17.0	624	
ANNUAL	.0	1.5	19.5	40.0	30.4	6.6	1.3	.3	.2	.1	.1	18.4	18.0	7632	

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI PERIOD OF RECORD: APR 79 - MAR 89  
LST TO UTC: +10 MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.2	4.9										13.1	3.8	4.0
020-040		1.6										1.6	3.0	3.0
050-070		1.6	.8	.8								3.3	5.3	4.5
(E) 080-100			1.6									1.6	6.0	6.0
110-130			.8									.8	2.0	2.0
140-160				1.6								1.6	7.5	7.5
(S) 170-190		1.6	.8									2.5	4.7	4.0
200-220					.8							.8	25.0	25.0
230-250		1.6										1.6	2.5	2.5
(W) 260-280														
290-310		4.1	.8									4.9	3.3	3.0
320-340		23.0	3.3	.8								27.0	3.5	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	41.0	/	/
TOTALS	42.5	13.8	1.6									100.0	2.4	4.0

TOTAL NUMBER OF OBSERVATIONS 122

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	2.8	.3									7.5	4.2	4.0
020-040	1.7	1.3	.1									3.1	4.5	4.0
050-070	1.4	.9	.3									2.6	5.3	4.0
(E) 080-100	.5	.3										.8	4.5	4.0
110-130	1.4	.7										2.1	3.9	3.0
140-160	3.0	.9	.5									4.5	5.0	4.0
(S) 170-190	1.3	.9	.1	.3	.1							2.8	6.6	5.0
200-220	.8	.5			.1	.1						1.6	7.6	4.5
230-250	.3	.1	.5		.4							1.3	12.7	13.5
(W) 260-280	1.0	.5	.4									2.0	4.8	4.0
290-310	5.8	1.0										6.8	3.6	3.0
320-340	14.7	6.4	.5									21.7	4.1	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	43.3	/	/
TOTALS	36.4	16.3	2.7	.3	.6	.1						100.0	2.6	4.0

TOTAL NUMBER OF OBSERVATIONS 762

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	4.0	.8	.1								8.7	5.5	5.0
020-040	3.1	2.5	.7									6.2	5.2	5.0
050-070	2.4	4.8	1.6									8.7	6.5	6.0
(E) 080-100	2.6	3.4	1.1									7.2	6.2	7.0
110-130	3.2	2.3	.2									5.7	4.8	4.0
140-160	5.7	4.8	.9									11.4	5.0	4.5
(S) 170-190	2.4	2.8	1.6		.2	.1						7.2	7.1	7.0
200-220	.5	.8	.2	.1	.1							1.7	7.5	6.0
230-250	.8	.6	.3	.2			.1					2.0	8.1	6.5
(W) 260-280	.6	.7	.3	.1	.1	.1						1.9	8.5	6.0
290-310	1.9	1.4	.2									3.5	4.6	4.0
320-340	6.5	5.7	1.6									13.7	5.4	5.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	22.0	/	/
TOTALS	33.6	33.8	9.5	.5	.4	.3						100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 881

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	1.1	5.7	2.0								8.9	7.6	8.0
020-040	1.0	4.5	2.3								7.8	7.7	8.0
050-070	2.2	7.9	2.7	.3							13.2	7.4	7.5
(E) 080-100	1.8	5.0	4.8								11.6	8.0	8.0
110-130	2.6	2.7	.7								6.0	5.9	6.0
140-160	1.6	6.9	2.0		.1						10.7	7.2	7.0
(S) 170-190	2.2	5.4	2.8	.1	.1						10.7	7.6	8.0
200-220	.9	1.2	.3		.2						2.7	7.8	7.0
230-250	.3	2.5	.6	.1	.2						3.7	8.5	8.0
(W) 260-280	.7	.6	.2	.2	.1						1.8	7.7	5.5
290-310	1.9	2.3	.8								5.0	6.1	5.5
320-340	2.4	7.9	2.8	.3							13.5	7.2	7.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	4.4	/	/
TOTALS	18.7	52.6	22.0	1.0	.7						100.0	7.1	7.0

TOTAL NUMBER OF OBSERVATIONS 881

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 15-17

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.7	5.4	1.5									8.6	6.8	7.0
020-040	1.4	4.5	1.5	.1								7.5	7.0	6.0
050-070	2.2	9.6	3.0	.2								15.0	7.3	7.0
(E) 080-100	1.8	6.7	2.0	.1								10.6	7.3	7.0
110-130	.9	2.0	.7									3.6	6.3	6.0
140-160	2.5	5.1	1.5	.1								9.2	6.4	6.0
(S) 170-190	2.4	5.8	1.6				.1					9.9	7.1	7.0
200-220	.5	2.2	.3	.1	.5		.1					3.7	9.4	8.0
230-250	.6	2.5	.6	.2	.1							4.0	7.9	7.0
(W) 260-280	.8	2.0		.1								2.9	5.8	6.0
290-310	1.6	3.3	.9	.1								6.0	6.5	6.0
320-340	3.6	9.4	2.8	.5								16.2	6.9	6.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	2.9	/	/
TOTALS	20.0	58.5	16.4	1.5	.6	.1	.1					100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 869

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.1	5.0										10.1	4.6	4.0
020-040	3.2	2.9	.6									6.6	5.0	5.0
050-070	5.0	3.8	.6									9.3	4.6	4.0
(E) 080-100	3.5	2.4	.5									6.3	5.0	4.0
110-130	1.5	.5										2.0	3.5	3.0
140-160	2.7	2.4	.5									5.6	5.0	5.0
(S) 170-190	3.2	3.9	.2	.3		.2						7.7	5.8	5.0
200-220	.9	1.4	.5		.2		.2					3.0	7.6	6.5
230-250	.9	.6	.8									2.3	6.8	6.0
(W) 260-280	.9	.2										1.1	3.6	4.0
290-310	3.2	2.0	.3									5.4	4.6	4.0
320-340	11.0	5.0	.8	.2								16.9	4.6	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	23.8	/	/
TOTALS	41.1	30.1	4.8	.5	.2	.2	.2					100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 664

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.6	3.1										8.8	4.3	4.0
020-040	.6	.9										1.6	5.0	5.0
050-070	2.5	1.6										4.1	4.3	4.0
(E) 080-100	.6	.9										1.6	4.2	5.0
110-130	1.9	1.6	.3									3.8	4.9	4.5
140-160	1.9	1.6	.6									4.1	5.6	5.0
(S) 170-190	1.3	1.9										3.1	5.6	5.5
200-220		.3	.9	.3								1.6	11.8	10.0
230-250	.9	.6	.9	.3	.3							3.1	9.2	9.0
(W) 260-280	1.6											1.6	3.0	3.0
290-310	3.4	1.3	.3									5.0	4.0	4.0
320-340	14.1	3.4	.3									17.8	3.6	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	44.1	/	/
TOTALS	34.4	17.2	3.3	.6	.3							100.0	2.6	4.0

TOTAL NUMBER OF OBSERVATIONS 320

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI

LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89

MONTH: JAN

HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.4	4.5	.9	.0								8.8	5.7	5.0
020-040	1.9	3.0	1.0	.0								5.9	6.2	6.0
050-070	2.5	5.2	1.6	.1								9.4	6.6	6.0
(E) 080-100	1.9	3.4	1.6	.0								6.9	6.9	7.0
110-130	1.9	1.6	.3									3.9	5.2	5.0
140-160	3.0	3.9	1.1	.0	.0							8.0	5.9	6.0
(S) 170-190	2.2	3.6	1.2	.1	.1	.1						7.3	7.0	7.0
200-220	.6	1.1	.3	.1	.2	.0	.0					2.4	8.5	7.0
230-250	.6	1.2	.6	.1	.2	.0						2.7	8.4	8.0
(W) 260-280	.8	.7	.2	.1	.0	.0						1.9	6.2	5.0
290-310	2.9	1.9	.4	.0								5.3	5.0	4.0
320-340	8.2	6.6	1.6	.2								16.6	5.3	5.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	20.8	/	/
TOTALS	29.9	36.7	10.8	.7	.5	.1						100.0	4.8	6.0

TOTAL NUMBER OF OBSERVATIONS 4499

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	5.9	4.0									11.9	7.5	8.0
020-040	1.0	4.0										5.0	6.8	8.0
050-070	2.0											2.0	2.5	2.5
(E) 080-100	1.0	1.0										2.0	5.0	5.0
110-130	2.0	1.0										3.0	4.0	3.0
140-160	5.0	5.0		1.0								10.9	6.1	5.0
(S) 170-190	1.0	5.0	3.0		3.0	2.0						13.9	13.1	10.0
200-220		2.0	3.0	1.0	3.0	2.0						10.9	16.2	18.0
230-250			3.0	1.0	2.0							5.9	15.0	14.0
(W) 260-280			1.0									1.0	10.0	10.0
290-310	1.0	4.0										5.0	6.0	6.0
320-340	3.0	8.9	2.0									13.9	7.2	8.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	14.9	/	/
TOTALS	18.0	36.8	16.0	2.0	9.0	4.0						100.0	8.0	8.0

TOTAL NUMBER OF OBSERVATIONS 101

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.1	2.5										7.6	3.9	3.0
020-040	1.7											1.7	2.0	2.0
050-070	1.7		.8									2.5	5.3	4.0
(E) 080-100	3.4			.8								4.2	5.6	4.0
110-130														
140-160	.8	1.7	.8									3.4	7.5	6.0
(S) 170-190	1.7	.8										2.5	4.7	4.0
200-220		.8		.8								1.7	12.5	12.5
230-250	.8											.8	3.0	3.0
(W) 260-280		.8										.8	5.0	5.0
290-310	4.2	2.5										6.8	3.6	2.5
320-340	11.0	5.9										16.9	4.3	4.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	50.8	//////////	//////////
TOTALS	30.4	15.0	1.6	.8	.8							100.0	2.3	4.0

TOTAL NUMBER OF OBSERVATIONS 118

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.7	1.4										6.1	3.8	3.5
020-040	1.1	.4										1.5	4.1	4.0
050-070	1.5	1.5	.7									3.7	5.6	5.0
(E) 080-100	1.1	1.5	.3									2.9	5.9	6.0
110-130	.8	.3										1.1	4.3	4.0
140-160	1.7	1.0		.1								2.8	4.7	4.0
(S) 170-190	.8	1.5	.7									3.0	6.9	7.0
200-220	1.1		.1	.4	.1							1.8	8.1	4.0
230-250	.6	.8	.1	.1								1.7	6.2	5.0
(W) 260-280	1.4	.1	.3									1.8	4.2	3.0
290-310	5.9	1.8	.1									7.9	3.6	3.0
320-340	12.6	5.9	.1									18.6	3.9	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	47.1	/	/
TOTALS	33.3	16.2	2.4	.6	.1							100.0	2.4	4.0

TOTAL NUMBER OF OBSERVATIONS 724

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.0	3.6	.5									8.1	4.9	4.5
020-040	1.7	4.6	.5									6.8	5.8	6.0
050-070	2.6	5.8	1.9	.1								10.5	6.6	6.0
(E) 080-100	2.7	4.8	2.4	.2								10.1	7.1	7.0
110-130	2.1	3.1	.5									5.7	5.7	5.5
140-160	3.2	3.8	.2									7.3	5.0	5.0
(S) 170-190	2.6	3.5	1.2									7.3	6.0	6.0
200-220	.5	1.8	.8	.2	.1							3.5	7.9	7.0
230-250	.7	1.0	.6	.4								2.6	8.2	8.0
(W) 260-280	1.3	.5	.5	.1								2.4	5.6	4.0
290-310	1.5	1.5	.4	.1								3.6	5.8	5.5
320-340	4.9	6.3	1.3	.2								12.7	5.7	5.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	19.5	/	/
TOTALS	27.8	40.3	10.8	1.3	.1							100.0	4.9	6.0

TOTAL NUMBER OF OBSERVATIONS 840

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	1.3	2.5	1.3								5.1	6.9	7.0
020-040	1.0	3.0	2.3	.2							6.5	7.9	8.0
050-070	1.7	8.5	5.9								16.0	8.1	8.0
(E) 080-100	2.0	5.6	5.4	.4							13.4	8.4	9.0
110-130	1.2	2.6	1.2	.1							5.1	7.4	7.0
140-160	1.7	5.9	.8	.1							8.5	6.7	7.0
(S) 170-190	1.	5.3	2.2	.4							8.7	7.9	8.0
200-220	1.0	2.2	1.0	.1	.1						4.3	7.6	7.5
230-250	.7	2.6	1.7	.5							5.5	9.0	8.0
(W) 260-280	1.1	2.4	.2	.1							3.8	5.9	6.0
290-310	1.2	2.3	1.1	.4							4.9	7.7	7.0
320-340	3.5	8.7	3.9	.1							16.2	7.1	7.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	1.9	/	/
TOTALS	17.4	51.6	27.0	2.4	.1						100.0	7.5	8.0

TOTAL NUMBER OF OBSERVATIONS 837

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL % WIND	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	3.7	1.1									6.2	6.8	7.0
020-040	.8	2.9	1.3									5.1	7.1	6.5
050-070	1.4	9.3	4.8	.5	.2							16.3	8.4	8.0
(E) 080-100	1.9	6.5	3.6	.8								12.9	8.3	8.0
110-130	.7	1.9	.5									3.1	6.5	6.0
140-160	1.4	3.5	1.0									5.9	6.6	6.0
(S) 170-190	1.4	6.2	2.1									9.7	7.1	7.0
200-220	.8	3.5	1.0									5.3	6.8	6.0
230-250	1.2	2.2	1.8	.1								5.3	7.9	8.0
(W) 260-280	.7	2.7	1.3	.2								4.9	7.6	7.0
290-310	1.7	4.1	1.2	.2								7.2	7.0	6.0
320-340	2.8	8.2	4.7	.1								15.8	7.5	8.0
VARIABLE														
CALM	//////////											2.3	//////////	
TOTALS	16.1	54.7	24.4	1.9	.2							100.0	7.3	7.0

TOTAL NUMBER OF OBSERVATIONS 829

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	5.4	.9									9.7	5.6	5.0
020-040	3.3	.6	.3									4.3	4.1	3.0
050-070	4.3	6.5	1.1	.2								12.0	6.0	6.0
(E) 080-100	3.0	2.8	1.9									7.8	6.2	6.0
110-130	1.6	1.6	.5									3.6	5.4	5.0
140-160	2.4	2.7	.3									5.4	4.9	5.0
(S) 170-190	3.3	4.1	.6									8.1	5.4	6.0
200-220	1.6	.8	.3									2.7	4.6	4.0
230-250	.9	.8	.6									2.4	7.1	8.0
(W) 260-280	1.3	.6	.8									2.7	6.6	6.0
290-310	3.0	1.9	.5									5.4	5.0	4.0
320-340	7.1	9.0	1.4									17.6	5.6	5.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	18.5	/	/
TOTALS	35.1	36.8	9.2	.2								100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 632

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	5.6	3.9	.3									9.9	4.4	4.0	
020-040	.7											.7	3.0	3.0	
050-070	3.3	3.9	1.0									8.2	5.6	5.0	
(E) 080-100	1.0	1.6	1.0	.3								3.9	7.6	8.0	
110-130	.7	1.0	.7									2.3	7.3	6.0	
140-160	2.0	.7										2.6	3.4	2.5	
(S) 170-190	2.6	1.3										3.9	4.3	4.0	
200-220	1.3	.3										1.6	2.6	2.0	
230-250	2.0	.3										2.3	3.0	3.0	
(W) 260-280	1.3	.7	.7									2.6	5.5	4.5	
290-310	4.6	.3										4.9	3.3	3.0	
320-340	9.2	5.3										14.5	3.8	4.0	
VARIABLE															
CALM	/	/	/	/	/	/	/	/	/	/	/	42.4	/	/	
TOTALS	34.3	19.3	3.7	.3								100.0	2.6	4.0	

TOTAL NUMBER OF OBSERVATIONS 304

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	3.3	.7									7.1	5.4	5.0
020-040	1.4	2.2	.8	.0								4.6	6.3	6.0
050-070	2.3	6.1	2.8	.1	.0							11.4	7.3	8.0
(E) 080-100	2.1	4.1	2.6	.3								9.1	7.6	8.0
110-130	1.2	1.8	.5	.0								3.6	6.3	6.0
140-160	2.0	3.2	.5	.0								5.8	5.7	6.0
(S) 170-190	1.8	3.9	1.3	.1								7.0	6.6	6.0
200-220	1.0	1.6	.6	.1	.1							3.4	7.0	6.0
230-250	.9	1.4	.9	.2								3.4	7.8	8.0
(W) 260-280	1.1	1.3	.6	.1								3.1	6.3	6.0
290-310	2.8	2.2	.6	.1								5.7	5.6	5.0
320-340	6.3	7.4	2.2	.1								16.0	5.8	5.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	19.7	/	/
TOTALS	26.0	38.5	14.1	1.1	.1							100.0	5.2	6.0

TOTAL NUMBER OF OBSERVATIONS 4284

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI PERIOD OF RECORD: APR 79 - MAR 89  
LST TO UTC: +10 MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	9.8	1.6									13.1	7.1	7.0
020-040		1.6										1.6	5.0	5.0
050-070			1.6									1.6	10.0	10.0
(E) 080-100	1.6	6.6										8.2	6.6	7.0
110-130	1.6	1.6	1.6									4.9	8.3	8.0
140-160	1.6	4.9	1.6	1.6								9.8	8.5	7.5
(S) 170-190	1.6		8.2									9.8	10.7	11.0
200-220		1.6	3.3									4.9	9.7	12.0
230-250			1.6	1.6								3.3	13.5	13.5
(W) 260-280	1.6		1.6	1.6								4.9	11.0	11.0
290-310		3.3										3.3	6.0	6.0
320-340	6.6	6.6	11.5									24.6	7.7	7.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	9.8	/	/
TOTALS	16.2	36.0	32.6	4.8								100.0	7.6	8.0

TOTAL NUMBER OF OBSERVATIONS 61

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.1	2.3										8.3	3.3	2.0
020-040	3.8	3.0	1.5									8.3	5.9	5.0
050-070	2.3	2.3	1.5									6.1	5.5	5.0
(E) 080-100	.8	2.3	.8									3.8	6.0	5.0
110-130	.8	1.5										2.3	5.7	6.0
140-160	.8											.8	3.0	3.0
(S) 170-190	.8	.8										1.5	4.0	4.0
200-220	2.3		.8									3.0	4.8	3.0
230-250			.8									.8	14.0	14.0
(W) 260-280	3.0											3.0	2.5	2.5
290-310	6.1	1.5										7.6	3.5	3.0
320-340	17.4	1.5	.8									19.7	3.2	2.5
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	34.8	/	/
TOTALS	44.2	15.2	6.2									100.0	2.8	3.0

TOTAL NUMBER OF OBSERVATIONS 132

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.7	3.0	.4									8.1	4.6	4.0
020-040	2.7	2.1	.7	.2								5.9	5.6	5.0
050-070	2.2	2.4	1.0	.2								5.9	6.4	6.0
(E) 080-100	3.6	3.1	.9									7.6	5.6	5.0
110-130	1.7	1.2	.1									3.1	4.6	4.0
140-160	1.0	.5										1.5	3.8	3.0
(S) 170-190	1.5	.6	.2									2.4	4.6	4.0
200-220	.5	.1	.4									1.0	5.8	3.5
230-250	.6	.1										.7	3.3	2.5
(W) 260-280	1.4	.4	.1									1.9	4.1	3.0
290-310	4.9	.9										5.7	3.0	2.5
320-340	15.1	2.5	.1									17.7	3.1	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	38.5	/	/
TOTALS	39.9	16.9	3.9	.4								100.0	2.7	4.0

TOTAL NUMBER OF OBSERVATIONS 802

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700		STATION NAME: WHEELER AFB HI										PERIOD OF RECORD: APR 79 - MAR 89			
		LST TO UTC: +10										MONTH: MAR HOURS: 09-11			
		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.8	2.6	1.3									5.7	6.4	5.0
020-040		3.7	6.7	1.3									11.7	6.1	6.0
050-070		5.1	10.5	4.1	.5								20.2	6.8	6.0
(E) 080-100		6.0	10.1	5.8	.3								22.2	7.0	7.0
110-130		2.8	3.9	1.5									8.2	6.2	6.0
140-160		3.0	2.4	.2									5.6	4.6	4.0
(S) 170-190		2.1	.8	.2									3.0	3.9	3.0
200-220		.3	1.2	.5	.1		.1						2.3	9.2	9.0
230-250		.5	.8	.1									1.4	5.1	5.0
(W) 260-280		.3	.2	.4									1.0	7.0	6.0
290-310		.5	.2	.2									1.0	4.9	4.0
320-340		3.1	2.2	.6	.1								6.1	5.3	4.0
VARIABLE															
CALM		/	/	/	/	/	/	/	/	/	/	/	11.6	/	/
TOTALS		29.2	41.6	16.2	1.0		.1						100.0	5.6	6.0
TOTAL NUMBER OF OBSERVATIONS 924															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	1.9	1.6	.1								5.1	7.5	8.0
020-040	1.3	5.6	3.9	.4								11.3	8.2	8.0
050-070	2.3	13.9	8.7	.6								25.4	8.2	8.0
(E) 080-100	2.3	10.9	8.3	1.1	.2							22.8	8.9	8.0
110-130	2.1	3.7	1.8	.3								7.9	6.9	6.0
140-160	1.7	2.8	1.0									5.5	6.0	6.0
(S) 170-190	1.8	2.7	.4	.2								5.2	6.1	6.0
200-220	1.0	.6	.8	.3								2.7	7.9	8.0
230-250	.4	.5	.3	.1								1.4	7.8	6.0
(W) 260-280	.9	.9		.1								1.8	5.7	6.0
290-310	.6	1.7	.1									2.5	5.6	6.0
320-340	1.8	3.0	1.3	.3								6.5	7.1	7.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	1.8	/	/
TOTALS	17.6	48.2	28.2	3.5	.2							100.0	7.6	8.0

TOTAL NUMBER OF OBSERVATIONS 924

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	3.1	1.9	.1								6.7	7.4	7.0
020-040	1.8	5.7	3.4	.2								11.1	7.8	8.0
050-070	3.8	14.2	8.8	1.0								27.8	8.1	8.0
(E) 080-100	3.1	10.8	5.8	.8								20.5	7.9	8.0
110-130	1.2	2.1	1.3									4.6	7.2	7.0
140-160	.9	2.4	.3									3.6	6.2	6.0
(S) 170-190	1.3	2.7	.4	.1								4.6	6.1	6.0
200-220	1.1	.8	.7	.4	.1							3.1	7.9	5.5
230-250	.7	1.3	.3									2.3	6.5	7.0
(W) 260-280	.3	.8	.2	.1								1.4	7.4	7.0
290-310	1.0	1.5	.3									2.8	5.9	6.0
320-340	2.4	5.5	.9	.1								8.9	6.0	6.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	2.7	/	/
TOTALS	19.2	50.9	24.3	2.8	.1							100.0	7.3	7.0

TOTAL NUMBER OF OBSERVATIONS 914

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.6	4.7	1.5									11.8	5.5	5.0
020-040	2.6	6.0	1.5									10.2	6.4	6.0
050-070	9.5	9.7	1.7	.1								21.0	5.4	5.0
(E) 080-100	6.8	6.7	2.8	.3								16.6	6.1	5.0
110-130	2.6	1.9	.3									4.9	4.6	4.0
140-160	1.4	.6										1.9	3.9	3.0
(S) 170-190	1.3	1.8	.1	.1								3.3	5.7	5.5
200-220	1.3	.4	.6	.3	.1							2.6	7.7	6.0
230-250	.7	.6	.1									1.4	5.3	5.0
(W) 260-280	.8	.1										1.0	2.9	3.0
290-310	.7	.6										1.3	4.7	4.0
320-340	5.7	3.8	.8									10.3	4.8	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	13.6	/	/
TOTALS	39.0	36.9	9.4	.8	.1							100.0	4.8	5.0

TOTAL NUMBER OF OBSERVATIONS 718

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.4	4.0	.6									12.0	4.3	3.5
020-040	3.7	4.0	1.1									8.8	5.5	5.0
050-070	4.6	4.3	.6									9.4	5.2	5.0
(E) 080-100	4.3	3.1	1.4		.3							9.1	6.0	5.0
110-130	.9	1.4	.6	.3								3.1	6.8	6.0
140-160	1.4											1.4	3.0	3.0
(S) 170-190	.3	.9										1.1	6.3	6.0
200-220	.6		.3									.9	5.0	2.0
230-250	1.1	.6										1.7	3.2	3.0
(W) 260-280	1.4											1.4	2.4	2.0
290-310	4.3	.3										4.6	2.8	2.0
320-340	9.7	3.1	.6									13.4	4.0	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	33.0	/	/
TOTALS	39.7	21.7	5.2	.3	.3							100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 351

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	3.0	1.3	.0								7.6	5.9	5.0
020-040	2.5	5.1	2.1	.2								10.0	6.9	6.0
050-070	4.4	9.7	4.7	.5								19.2	7.2	7.0
(E) 080-100	4.2	8.0	4.6	.5	.1							17.2	7.4	7.0
110-130	2.0	2.5	1.0	.1								5.6	6.2	6.0
140-160	1.6	1.6	.3									3.5	5.2	5.0
(S) 170-190	1.5	1.7	.3	.1								3.5	5.5	5.0
200-220	.8	.6	.6	.2	.0	.0						2.3	7.8	6.5
230-250	.6	.7	.2	.0								1.5	5.8	5.0
(W) 260-280	.8	.4	.1	.0								1.5	5.1	4.0
290-310	1.8	1.0	.1									2.9	4.2	4.0
320-340	6.0	3.3	.8	.1								10.2	4.7	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	15.1	/	/
TOTALS	29.5	37.6	16.1	1.7	.1							100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS 4765

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		3.3										3.3	5.0	5.0
020-040	3.3	6.6	1.6									11.5	5.9	6.0
050-070	4.9	16.4										21.3	5.8	7.0
(E) 080-100	4.9	8.2	1.6									14.8	6.3	8.0
110-130	1.6	1.6										3.3	4.5	4.5
140-160	3.3	1.6	1.6									6.6	5.5	4.0
(S) 170-190		3.3	1.6									4.9	12.7	12.0
200-220	3.3											3.3	2.5	2.5
230-250														
(W) 260-280														
290-310		3.3										3.3	6.5	6.5
320-340	4.9	4.9	3.3	1.6								14.8	7.3	6.0
TOTALS	26.2	45.9	11.4	3.2								100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 61

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.4	6.5										13.9	3.9	4.0
020-040	5.6	.9	.9									7.4	4.1	3.0
050-070	1.9	2.8										4.6	5.0	5.0
(E) 080-100	7.4	5.6										13.0	4.1	4.0
110-130		2.8										2.8	5.3	5.0
140-160		.9										.9	3.0	3.0
(S) 170-190		.9										.9	4.0	4.0
200-220														
230-250		1.9										1.9	1.5	1.5
(W) 260-280		1.9										1.9	3.0	3.0
290-310		4.6										4.6	3.6	4.0
320-340		19.4										19.4	2.6	2.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	28.7	/	/
TOTALS	51.9	18.6	.9									100.0	2.6	4.0

TOTAL NUMBER OF OBSERVATIONS 108

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700		STATION NAME: WHEELER AFB HI LST TO UTC: +10										PERIOD OF RECORD: APR 79 - MAR 89 MONTH: APR HOURS: 06-08			
		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		5.8	3.3										9.1	4.0	4.0
020-040		4.6	3.2	.4									8.2	4.5	4.0
050-070		4.4	2.1	.5	.1								7.1	4.6	4.0
(E) 080-100		3.6	3.6	1.3									8.5	5.4	5.0
110-130		2.3	1.0	.1									3.5	4.4	4.0
140-160		1.0	.8										1.8	4.4	4.0
(S) 170-190		.6	.3										.9	4.3	4.0
200-220		.8											.8	1.7	1.5
230-250		.4											.4	2.7	3.0
(W) 260-280		2.4											2.4	2.1	2.0
290-310		5.1	.5										5.6	2.6	2.0
320-340		9.4	2.3										11.7	3.4	3.0
VARIABLE															
CALM		/	/	/	/	/	/	/	/	/	/	/	40.1	/	/
TOTALS		40.4	17.1	2.3	.1								100.0	2.4	4.0

TOTAL NUMBER OF OBSERVATIONS 780

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	4.2	.7									6.5	6.1	6.0
020-040	5.7	9.2	2.6	.1								17.7	6.3	6.0
050-070	4.4	12.7	5.7	.6								23.4	7.3	7.0
(E) 080-100	3.3	12.2	7.0	.3	.1							22.9	7.8	8.0
110-130	2.9	3.9	1.8									8.7	6.2	6.0
140-160	2.0	1.8	.5									4.3	5.3	5.0
(S) 170-190	1.2	1.2	.3									2.8	5.2	5.0
200-220	.3	.5										.8	4.9	5.0
230-250	.1	.2	.1									.5	6.8	6.5
(W) 260-280	.2	.1										.3	2.7	2.0
290-310	.2	.3	.1									.7	7.0	7.0
320-340	2.3	2.4	.1									4.7	4.9	5.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	6.8	/	/
TOTALS	24.3	48.7	18.9	1.0	.1							100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 888

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	2.4	.8									3.5	7.3	7.0
020-040	1.7	8.7	6.3	.7								17.3	8.5	8.0
050-070	2.6	16.2	10.0	1.1								29.9	8.3	8.0
(E) 080-100	1.9	12.5	11.5	1.1								27.0	9.0	9.0
110-130	1.7	1.9	1.3	.2								5.2	7.2	6.0
140-160	.7	1.5	.8									2.9	7.1	7.5
(S) 170-190	.6	1.7	.3									2.6	7.0	8.0
200-220	.6	.3	.3									1.2	6.1	5.0
230-250	.3	.2	.3									.9	6.9	7.0
(W) 260-280	.6	.4	.1									1.1	5.4	4.5
290-310	.6	1.6	.6									2.7	6.5	6.0
320-340	.7	2.0	1.1									3.8	7.1	7.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	1.8	/	/
TOTALS	12.3	49.4	33.4	3.1								100.0	8.0	8.0

TOTAL NUMBER OF OBSERVATIONS 889

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	3.8	1.1	.2								5.9	7.3	7.0
020-040	2.8	8.0	4.8	.9								16.5	8.1	8.0
050-070	3.3	17.6	10.7	.4								32.0	8.3	8.0
(E) 080-100	2.4	12.3	8.6	1.1								24.5	8.6	8.0
110-130	1.1	2.1	1.0	.1								4.4	7.0	6.0
140-160	.4	1.2	.2									1.9	6.7	7.0
(S) 170-190	.8	1.5	.7									2.9	6.6	7.5
200-220	.2	.4										.7	6.2	7.0
230-250	.2	.3	.1									.7	5.7	5.0
(W) 260-280	.2	.3	.2									.8	6.6	7.0
290-310	.9	1.1	.4									2.5	6.0	6.0
320-340	1.5	2.8	1.1									5.4	6.5	7.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	1.9	/	/
TOTALS	14.6	51.4	28.9	2.7								100.0	7.8	8.0

TOTAL NUMBER OF OBSERVATIONS 891

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.6	5.2	.7									9.5	5.3	5.0
020-040	7.1	8.8	1.3									17.2	5.3	5.0
050-070	8.5	12.3	2.4									23.2	5.7	6.0
(E) 080-100	5.7	8.2	1.7	.4								16.0	6.0	6.0
110-130	2.1	1.5		.1								3.8	5.1	4.0
140-160	1.7	2.0	.1									3.8	5.2	5.0
(S) 170-190	1.4	.7										2.1	3.7	4.0
200-220		.1										.1	1.0	1.0
230-250														
(W) 260-280		.3										.3	5.5	5.5
290-310	.3	.6										.8	5.7	5.5
320-340	4.7	3.8	.6									9.1	5.0	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	14.2	/	/
TOTALS	35.2	43.4	6.8	.5								100.0	4.7	5.0

TOTAL NUMBER OF OBSERVATIONS 717

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.4	5.2	.3									10.9	4.6	4.5
020-040	6.8	3.8										10.6	3.9	4.0
050-070	4.6	3.5										8.2	4.5	4.0
(E) 080-100	3.5	5.7	.5									9.8	5.1	5.0
110-130	2.5	1.1	.5									4.1	4.5	3.0
140-160	1.6	.3										1.9	3.7	4.0
(S) 170-190	1.4	.3										1.6	3.0	3.0
200-220	.8											.8	3.0	3.0
230-250	.5											.5	3.0	3.0
(W) 260-280	.8											.8	1.7	2.0
290-310	5.2	1.4										6.5	3.4	3.0
320-340	5.4	2.2										7.6	3.7	3.5
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	36.5	/	/
TOTALS	38.5	23.5	1.3									100.0	2.6	4.0

TOTAL NUMBER OF OBSERVATIONS 367

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: ALL

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN	
VARIABLE													%	WIND	WIND
(N) 350-010	2.7	3.9	.6	.0								7.2	5.5	5.0	
020-040	4.5	7.2	2.9	.3								14.9	6.7	6.0	
050-070	4.4	11.5	5.5	.4								21.9	7.3	7.0	
(E) 080-100	3.4	9.5	5.7	.6	.0							19.2	7.8	8.0	
110-130	2.0	2.1	.9	.1								5.0	6.1	5.0	
140-160	1.2	1.3	.3									2.8	5.6	5.0	
(S) 170-190	.9	1.0	.3									2.2	5.5	5.0	
200-220	.4	.2	.1									.7	4.6	4.0	
230-250	.3	.2	.1									.5	5.3	4.0	
(W) 260-280	.7	.2	.1									1.0	3.7	3.0	
290-310	1.7	.9	.2									2.8	4.4	4.0	
320-340	4.0	2.5	.5									7.1	4.7	4.0	
CALM	/	/	/	/	/	/	/	/	/	/	/	14.5	/	/	
TOTALS	26.2	40.5	17.2	1.4								100.0	5.6	6.0	

TOTAL NUMBER OF OBSERVATIONS 4640

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700      STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR      HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.5	5.5										10.9	5.5	6.0
020-040	3.6	7.3	1.8									12.7	6.1	6.0
050-070	5.5											5.5	3.0	3.0
(E) 080-100	3.6	1.8	5.5	5.5								16.4	10.8	13.0
110-130														
140-160	3.6	5.5	3.6									12.7	7.7	9.0
(S) 170-190	3.6	14.5	3.6									21.8	7.0	7.5
200-220														
230-250														
(W) 260-280														
290-310		1.8										1.8	5.0	5.0
320-340	1.8	5.5										7.3	4.8	5.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	10.9	/	/
TOTALS	27.2	41.9	14.5	5.5								100.0	6.3	7.0

TOTAL NUMBER OF OBSERVATIONS    55

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	3.7										7.3	4.5	5.0
020-040	5.5	1.8										7.3	3.9	3.5
050-070	2.8	1.8										4.6	4.8	4.0
(E) 080-100	1.8	1.8										3.7	4.5	4.5
110-130	.9											.9	2.0	2.0
140-160	.9											.9	2.0	2.0
(S) 170-190														
200-220	.9											.9	2.0	2.0
230-250	1.8	.9										2.8	3.0	2.0
(W) 260-280	2.8											2.8	2.0	2.0
290-310	11.9	.9										12.8	3.4	3.5
320-340	14.7	3.7										18.3	3.1	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	37.6	/	/
TOTALS	47.7	14.6										100.0	2.2	3.0

TOTAL NUMBER OF OBSERVATIONS 109

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL % WIND	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	5.1	2.0									7.1	3.6	3.0
020-040	5.5	3.1	.1								8.8	4.1	4.0
050-070	4.8	2.1	.1								7.0	4.2	4.0
(E) 080-100	2.4	2.3	.4								5.0	5.1	5.0
110-130	2.3	.8									3.0	3.7	3.0
140-160	1.3	.4									1.6	3.6	4.0
(S) 170-190	.8	.1									.9	3.0	3.0
200-220	.8										.8	2.3	2.0
230-250	.1										.1	2.0	2.0
(W) 260-280	2.4										2.4	2.4	2.0
290-310	4.8	.6									5.4	2.9	3.0
320-340	7.9	2.6									10.5	3.5	3.0
<hr/>													
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	47.4	/	/
TOTALS	38.2	14.0	.6								100.0	2.0	3.0

TOTAL NUMBER OF OBSERVATIONS 798

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700		STATION NAME: WHEELER AFB HI		PERIOD OF RECORD: APR 79 - MAR 89										
		LST TO UTC: +10		MONTH: MAY HOURS: 09-11										
DIRECTION (DEGREES)	(N) 350-010	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
		1.5	3.6	.4								5.5	6.0	6.0
	020-040	3.6	8.0	3.0	.1							14.8	6.7	6.0
	050-070	6.8	15.9	5.4	.1							28.2	6.7	6.0
(E) 080-100		5.5	13.5	4.1	.2							23.3	6.7	6.0
	110-130	3.9	4.0	1.0								8.9	5.5	5.0
	140-160	1.6	2.2	.2								4.0	5.0	5.0
(S) 170-190		1.2	1.0	.1								2.3	4.9	4.0
	200-220	.7										.7	3.3	3.0
	230-250	.1	.2									.3	5.7	7.0
(W) 260-280		.2	.1									.3	4.3	3.0
	290-310	.5	.7	.1								1.3	4.9	5.0
	320-340	.9	2.2	.2								3.3	5.8	5.0
VARIABLE														
CALM		/	/	/	/	/	/	/	/	/	/	7.1	/	/
TOTALS		26.5	51.4	14.5	.4							100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 921

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	.4	1.7	.9								3.1	7.6	8.0
020-040	1.2	6.5	5.5	.3							13.5	8.6	8.0
050-070	2.0	18.3	12.8	1.3							34.4	8.7	8.0
(E) 080-100	2.6	11.5	8.8	.8							23.7	8.4	8.0
110-130	.8	4.4	1.0	.1							6.2	6.9	6.0
140-160	.9	3.8	.8								5.5	6.5	6.0
(S) 170-190	1.2	1.4	.2								2.8	5.7	6.0
200-220	.5	.3									.9	4.1	3.5
230-250	.1	.1									.2	4.5	4.5
(W) 260-280	.1		.3								.4	8.8	10.5
290-310	.2	1.3	.1								1.6	5.9	6.0
320-340	1.3	3.8	1.3								6.4	6.9	7.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	1.3	/	/
TOTALS	11.3	53.1	31.7	2.5							100.0	8.0	8.0

TOTAL NUMBER OF OBSERVATIONS 917

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI

LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89

MONTH: MAY HOURS: 15-17

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.5	2.2	2.1	.1								4.9	8.4	9.0
020-040	1.9	6.5	4.6	.3								13.3	8.2	8.0
050-070	3.3	18.1	12.9	1.2								35.5	8.5	8.0
(E) 080-100	3.0	14.7	6.9	.7								25.3	8.0	8.0
110-130	1.4	1.4	.8	.1								3.7	6.5	6.0
140-160	1.4	1.4	.3									3.2	5.4	5.0
(S) 170-190	1.1	1.9										3.0	5.2	6.0
200-220	.3	.1										.4	3.3	2.0
230-250	.3	.1										.4	4.3	3.5
(W) 260-280	.3	.1										.4	4.3	3.5
290-310	.5	.3	.2									1.1	6.2	4.5
320-340	1.8	3.4	.8									5.9	6.1	6.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	2.7	/	/
TOTALS	15.8	50.2	28.6	2.								100.0	7.6	8.0

TOTAL NUMBER OF OBSERVATIONS 910

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	4.0	4.5	.4								9.0	5.2	5.0
020-040	5.9	8.4	.7								15.0	5.5	6.0
050-070	9.9	13.4	2.8	.1							26.2	5.7	5.0
(E) 080-100	7.7	7.4	1.7								16.8	5.3	5.0
110-130	2.6	1.0									3.6	3.6	3.0
140-160	1.2	1.0									2.2	4.4	4.0
(S) 170-190	1.4	.3									1.7	3.5	3.5
200-220	.7										.7	2.4	2.0
230-250	.1	.1									.3	5.0	5.0
(W) 260-280	.6										.6	3.0	3.0
290-310	.8	.4									1.2	3.7	3.0
320-340	2.6	3.2	.1								5.9	4.8	5.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	16.9	/	/
TOTALS	37.5	39.7	5.7	.1							100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 726

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI

LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89

MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	3.8										7.0	4.7	5.0
020-040	5.9	3.5	.3									9.7	4.3	4.0
050-070	7.6	2.4	.5									10.5	4.1	4.0
(E) 080-100	3.8	1.6										5.4	4.3	4.0
110-130	2.2	.3										2.4	2.9	2.0
140-160														
(S) 170-190	1.6											1.6	1.8	2.0
200-220	.5											.5	2.0	2.0
230-250	.5											.5	2.0	2.0
(W) 260-280	1.4	.3										1.6	3.3	3.0
290-310	1.6	.3										1.9	2.6	2.0
320-340	6.8	3.0										9.7	3.4	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	48.9	/	/
TOTALS	35.1	15.2	.8									100.0	2.0	4.0

TOTAL NUMBER OF OBSERVATIONS 370

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	2.9	.7	.0								5.9	5.7	6.0
020-040	3.7	6.2	2.7	.1								12.7	6.7	6.0
050-070	5.3	12.7	6.5	.5								25.0	7.4	7.0
(E) 080-100	4.1	9.3	4.1	.3								17.8	7.2	7.0
110-130	2.1	2.2	.5	.0								4.9	5.4	5.0
140-160	1.2	1.6	.3									3.1	5.4	5.0
(S) 170-190	1.1	.9	.1									2.1	4.7	4.0
200-220	.6	.1										.7	3.1	3.0
230-250	.2	.1										.4	4.0	3.0
(W) 260-280	.8	.1	.1									.9	3.5	2.0
290-310	1.6	.7	.1									2.3	3.9	3.0
320-340	3.3	3.1	.5									6.9	4.9	5.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	17.4	/	/
TOTALS	26.3	39.9	15.6	.9								100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 4751

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI PERIOD OF RECORD: APR 79 - MAR 89  
LST TO UTC: +10 MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		7.7										7.7	5.0	5.0
020-040		7.7										7.7	6.0	6.0
050-070	7.7											7.7	2.0	2.0
(E) 080-100	3.8											3.8	2.0	2.0
110-130														
140-160	3.8											3.8	2.0	2.0
(S) 170-190	23.1											23.1	2.3	2.0
200-220														
230-250														
(W) 260-280														
290-310	7.7	3.8										11.5	3.3	4.0
320-340	7.7	7.7										15.4	3.8	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	19.2	/	/
TOTALS	53.8	26.9										100.0	2.7	3.0

TOTAL NUMBER OF OBSERVATIONS 26

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.5	.9										9.4	2.8	3.0
020-040	3.8											3.8	2.8	3.0
050-070	7.5											7.5	2.6	2.5
(E) 080-100	1.9											1.9	3.0	3.0
110-130	.9	.9										1.9	4.0	4.0
140-160														
(S) 170-190														
200-220	1.9											1.9	1.5	1.5
230-250														
(W) 260-280														
290-310	12.3											12.3	3.1	3.0
320-340	11.3	.9										12.3	2.9	2.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	49.1	/	/
TOTALS	48.1	2.7										100.0	1.5	3.0

TOTAL NUMBER OF OBSERVATIONS 106

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	4.1	.5									4.6	3.4	3.0
020-040	5.8	2.2	.1								8.1	3.9	4.0
050-070	6.5	2.7									9.1	4.0	4.0
(E) 080-100	4.2	3.0	.3								7.5	4.8	4.0
110-130	1.5	1.0									2.5	4.0	3.5
140-160		.3									.3	2.0	2.0
(S) 170-190		.6									.6	2.2	2.0
200-220		.3									.3	2.5	2.5
230-250		.4	.1								.5	2.5	1.5
(W) 260-280		1.9	.1								2.0	2.6	2.5
290-310		4.6	.1								4.7	2.8	3.0
320-340		8.5	1.1								9.6	3.1	3.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	50.3	/	/
TOTALS	38.7	10.8	.4								100.0	1.8	.0

TOTAL NUMBER OF OBSERVATIONS '90

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	.4										.8	4.9	5.0
020-040	4.6	6.9	2.6									14.0	6.3	6.0
050-070	8.3	21.6	7.6	.1								37.6	6.9	7.0
(E) 080-100	6.3	16.1	5.2	.1								27.8	6.8	7.0
110-130	2.8	4.3	.8									7.9	5.8	6.0
140-160	.6	.6										1.1	4.2	4.5
(S) 170-190	.3	.1										.4	3.8	3.5
200-220	.1	.2										.3	6.3	7.0
230-250	.2											.2	3.0	3.0
(W) 260-280	.1	.2	.1									.4	6.3	7.0
290-310	.4	.1	.2									.8	6.1	4.0
320-340	.7	1.1	.1									1.9	5.4	5.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	6.8	/	/
TOTALS	24.7	51.6	16.6	.2								100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	.6	.1									1.1	5.4	5.5
020-040	1.2	4.8	4.0	.1								10.1	8.2	8.0
050-070	2.8	22.9	18.0	1.1								44.8	8.7	8.0
(E) 080-100	2.3	17.1	10.8	.4								30.7	8.4	8.0
110-130	.6	3.0	1.0									4.6	7.0	7.0
140-160	.4	1.0	.2									1.7	6.2	6.0
(S) 170-190	.6	.8	.1									1.4	6.0	6.0
200-220	.1	.2										.3	5.3	5.0
230-250	.1	.1										.2	5.0	5.0
(W) 260-280	.7	.3	.1									1.1	4.4	4.0
290-310	.2	.4	.2									.9	6.6	6.0
320-340	.3	1.3	.2									1.9	6.8	7.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	1.1	/	/
TOTALS	9.7	52.5	34.7	1.6								100.0	8.1	8.0

TOTAL NUMBER OF OBSERVATIONS 899

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	.2	.9	.1								1.2	6.5	7.0
020-040	1.3	5.8	3.2	.1							10.4	7.8	8.0
050-070	3.9	21.6	18.7	.7							44.8	8.6	8.0
(E) 080-100	3.1	19.9	9.4	.1							32.6	7.9	8.0
110-130	.7	2.7	.9								4.2	7.2	8.0
140-160	.8	.6									1.3	5.0	4.0
(S) 170-190	.6	.3									.9	4.6	4.0
200-220	.3	.1									.4	4.3	3.5
230-250	.2										.2	4.0	4.0
(W) 260-280	.3										.3	3.0	3.0
290-310	.1	.4	.1								.7	7.0	7.0
320-340	.4	1.0	.4								1.9	7.2	8.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	1.0	/	/
TOTALS	11.9	53.3	32.8	.9							100.0	8.0	8.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	1.5	.1									3.2	5.0	5.0
020-040	4.4	6.5	1.2									12.1	5.9	6.0
050-070	11.3	19.3	5.8									36.3	6.2	6.0
(E) 080-100	9.5	13.5	1.8									24.8	5.4	5.0
110-130	2.1	1.9										4.0	4.8	4.0
140-160	.6	.3										.8	4.3	3.5
(S) 170-190	.3	.4										.7	4.4	5.0
200-220	.3											.3	2.0	2.0
230-250	.3											.3	2.5	2.5
(W) 260-280	.3	.3										.6	4.8	4.5
290-310	.3	.1										.4	3.0	2.0
320-340	1.2	1.4	.1									2.8	5.1	5.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	13.9	/	/
TOTALS	32.1	45.2	9.0									100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 727

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	1.6										4.7	3.7	4.0
020-040	11.2	4.7										15.9	3.7	3.0
050-070	9.9	3.6										18.5	4.5	4.0
(E) 080-100	7.3	2.9	.3									10.4	4.1	4.0
110-130	1.6	.5										2.1	3.5	3.5
140-160	.3	.3										.5	4.0	4.0
(S) 170-190	.3											.3	2.0	2.0
200-220	.5											.5	2.5	2.5
230-250	1.0											1.0	2.3	2.0
(W) 260-280	1.3											1.3	3.0	3.0
290-310	1.3	.3										1.6	2.5	2.0
320-340	3.4	1.3										4.7	3.2	2.5
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	38.5	/	/
TOTALS	41.2	20.2	.3									100.0	2.4	4.0

TOTAL NUMBER OF OBSERVATIONS 384

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	.8	.1									2.4	4.3	4.0
020-040	4.0	5.1	2.1	.0								11.2	6.2	6.0
050-070	6.7	16.7	9.3	.4								33.1	7.4	8.0
(E) 080-100	5.1	13.0	5.2	.1								23.4	7.1	7.0
110-130	1.5	2.4	.5									4.4	5.9	6.0
140-160	.5	.5	.0									1.0	5.0	5.0
(S) 170-190	.4	.3	.0									.8	4.6	4.0
200-220	.3	.1										.4	3.8	3.0
230-250	.3	.0										.3	3.0	2.5
(W) 260-280	.7	.2	.0									.9	3.7	3.0
290-310	1.3	.3	.1									1.7	3.8	3.0
320-340	2.4	1.2	.2									3.8	4.3	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	16.5	/	/
TOTALS	24.8	40.6	17.5	.5								100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 4706

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI PERIOD OF RECORD: APR 79 - MAR 89  
LST TO UTC: +10 MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010												%	WIND	WIND
020-040			13.3								13.3	8.0	8.0	
050-070			6.7								6.7	8.0	8.0	
(E) 080-100														
110-130														
140-160	13.3	13.3									26.7	5.0	5.0	
(S) 170-190														
200-220	6.7										6.7	3.0	3.0	
230-250														
(W) 260-280														
290-310	6.7	13.3									20.0	5.7	6.0	
320-340														
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	26.7	/	/
TOTALS	26.7	46.6									100.0	4.3	6.0	

TOTAL NUMBER OF OBSERVATIONS 15

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.7	1.9										6.6	3.6	4.0
020-040	.9	1.9										2.8	5.3	6.0
050-070	1.9	2.8	.9									5.7	5.3	5.0
(E) 080-100	1.9	.9										2.8	5.0	4.0
110-130		1.9										1.9	6.5	6.5
140-160														
(S) 170-190		.9										.9	2.0	2.0
200-220		.9										.9	4.0	4.0
230-250														
(W) 260-280		8.5										8.5	3.0	3.0
290-310		6.6	.9									7.5	2.9	3.0
320-340		15.1	.9									16.0	2.5	2.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	46.2	/	/
TOTALS	41.4	11.2	.9									100.0	1.9	3.0

TOTAL NUMBER OF OBSERVATIONS 106

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	.4	.1									3.2	3.3	3.0
020-040	5.5	2.8	.1									.4	4.4	4.0
050-070	4.6	3.8	.4									8.8	5.0	4.0
(E) 080-100	4.7	2.0										6.7	3.7	4.0
110-130	1.3	1.0	.1									2.4	4.5	4.0
140-160	1.0	.4										1.4	3.9	3.0
(S) 170-190	.5											.5	1.5	1.5
200-220	.3											.3	2.5	2.5
230-250	.8											.8	2.2	2.0
(W) 260-280	1.1	.1										1.3	3.2	3.0
290-310	4.7	.6										5.3	2.9	2.0
320-340	8.4	1.0										9.4	2.8	2.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	51.6	/	/
TOTALS	35.6	12.1	.7									100.0	1.8	3.0

TOTAL NUMBER OF OBSERVATIONS 787

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700		STATION NAME: WHEELER AFB HI		PERIOD OF RECORD: APR 79 - MAR 89											
		LST TO UTC: +10		MONTH: JUL HOURS: 09-11											
DIRECTION (DEGREES)		WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.7	.4										1.1	3.9	4.0
020-040		3.7	7.8	1.6									13.1	6.0	6.0
050-070		8.3	23.1	8.9									40.2	7.1	7.0
(E) 080-100		4.7	16.2	5.5	.3								26.7	7.2	7.0
110-130		1.6	4.0	1.2	.1								7.0	6.9	6.0
140-160		1.3	1.3										2.6	4.7	4.5
(S) 170-190		.7	.2										.9	4.	4.0
200-220		.1											.1	1.0	1.0
230-250		.1											.1	2.0	2.0
(W) 260-280		.1											.1	4.0	4.0
290-310		.2											.2	3.5	3.5
320-340		.4	.1										.5	3.0	2.0
VARIABLE															
CALM		/	/	/	/	/	/	/	/	/	/	/	7.3	/	/
TOTALS		21.9	53.1	17.2	.4								100.0	6.3	7.0

TOTAL NUMBER OF OBSERVATIONS 915

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2											.2	3.5	3.5
020-040	1.4	4.8	4.2									10.4	8.2	8.0
050-070	2.6	21.6	22.0	1.4								47.7	9.0	7.0
(E) 080-100	2.1	13.6	13.8	.5								29.9	9.0	9.0
110-130	.4	3.1	1.9									5.4	8.1	8.0
140-160	.2	1.4	.2									1.9	6.9	7.0
(S) 170-190	.3	.7	.1									1.1	5.8	6.0
200-220	.1	.3										.4	5.5	6.0
230-250	.1	.1										.2	3.5	3.5
(W) 260-280	.1	.1										.2	4.0	4.0
290-310	.7	.1										.8	3.7	4.0
320-340	.1	.5										.7	6.2	6.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	1.2	/	/
TOTALS	8.3	46.3	42.2	1.9								100.0	8.6	8.0

TOTAL NUMBER OF OBSERVATIONS 915

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700		STATION NAME: WHEELER AFB HI		PERIOD OF RECORD: APR 79 - MAR 89											
		LST TO UTC: +10		MONTH: JUL HOURS: 15-17											
DIRECTION (DEGREES)		WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.1	.9	.3									1.3	7.4	7.5
020-040		1.1	7.5	5.1	.1								13.8	8.1	8.0
050-070		3.1	21.6	20.9	.8								46.4	8.8	9.0
(E) 080-100		2.0	13.2	12.4	.7								28.3	8.9	9.0
110-130		.4	2.1	1.5									4.1	8.4	8.0
140-160		.9	.7										1.5	4.5	4.0
(S) 170-190		.1	.6	.1									.8	7.1	8.0
200-220		.2	.1										.3	4.0	4.0
230-250			.1										.2	5.0	5.0
(W) 260-280				.3									.3	7.3	8.0
290-310			.1	.2									.3	5.7	6.0
320-340		.3	.7	.1									1.1	5.6	6.0
VARIABLE															
CALM		/	/	/	/	/	/	/	/	/	/	/	1.5	/	/
TOTALS		8.4	48.6	40.4	1.6								100.0	8.4	8.0
TOTAL NUMBER OF OBSERVATIONS 908															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	1.0	.4	.4								1.8	5.4	4.0
020-040	6.5	7.9	2.9								17.2	6.0	6.0
050-070	15.2	19.8	7.0	.1							42.1	6.2	6.0
(E) 080-100	4.8	9.4	3.7	.1							18.0	6.7	7.0
110-130	1.1	1.2									2.3	4.6	5.0
140-160	.8	.3									1.1	4.4	4.0
(S) 170-190	.7	.3									1.0	3.4	3.0
200-220													
230-250	.1	.1									.3	5.0	5.0
(W) 260-280	.3										.3	2.5	2.5
290-310	.1	.3									.4	5.0	5.0
320-340	1.0	.1									1.1	4.0	4.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	14.3	/	/
TOTALS	31.6	39.8	14.0	.2							100.0	5.2	6.0

TOTAL NUMBER OF OBSERVATIONS 726

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	.3	.3									2.7	3.8	3.0
020-040	6.4	2.9	.5									9.9	4.2	4.0
050-070	9.7	8.3	.8									18.8	4.9	4.0
(E) 080-100	3.8	4.0										7.8	4.6	5.0
110-130	1.6	.8	.3									2.7	4.2	3.5
140-160	1.1											1.1	2.5	2.0
(S) 170-190	.8											.8	2.3	2.0
200-220														
230-250														
(W) 260-280	.5	.3										.8	3.3	2.0
290-310	1.9											1.9	2.4	3.0
320-340	2.4	1.1										3.5	3.3	2.0
VARABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	50.1	/	/
TOTALS	30.3	17.7	1.9									100.0	2.1	4.0

TOTAL NUMBER OF OBSERVATIONS 373

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	.4	.2									1.7	4.4	4.0
020-040	3.6	5.8	2.6	.0								12.1	6.5	6.0
050-070	6.6	17.2	11.2	.4								35.4	7.7	8.0
(E) 080-100	3.6	10.4	6.7	.3								21.0	7.8	8.0
110-130	1.0	2.2	.9	.0								4.2	6.9	7.0
140-160	.8	.8	.0									1.6	4.9	4.0
(S) 170-190	.5	3	.0									.8	4.5	4.0
200-220	.1	.1										.2	4.0	4.0
230-250	.2	.1										.3	3.2	2.0
(W) 260-280	.5	.1										.6	3.6	3.0
290-310	1.3	.2										1.5	3.2	3.0
320-340	2.2	.5	.0									2.8	3.2	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	17.7	/	/
TOTALS	21.5	38.1	21.6	.7								100.0	5.8	7.0

TOTAL NUMBER OF OBSERVATIONS 4730

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010												%	WIND	WIND
020-040	6.7	6.7										13.3	4.5	4.5
050-070	13.3	6.7										20.0	4.3	4.0
(E) 080-100		13.3	6.7									20.0	7.0	6.0
110-130	6.7											6.7	3.0	3.0
140-160														
(S) 170-190	6.7	6.7										13.3	4.0	4.0
200-220														
230-250														
(W) 260-280														
290-310	6.7											6.7	4.0	4.0
320-340														
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	20.0	/	/
TOTALS	40.1	33.4	6.7									100.0	3.9	4.5

TOTAL NUMBER OF OBSERVATIONS 15

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010														4.5
020-040	8.1											8.1	2.7	3.0
050-070	2.7	.9										3.6	3.5	3.0
(E) 080-100	2.7	1.8										4.5	4.2	4.0
110-130														
140-160	.9		.9									1.8	8.5	8.5
(S) 170-190														
200-220														
230-250	.9											.9	2.0	2.0
(W) 260-280	5.4											5.4	3.0	3.0
290-310	8.1	.9										9.0	3.7	4.0
320-340	14.4	.9										15.3	2.7	2.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	51.4	/	/
TOTALS	43.2	4.5		.9								100.0	1.6	3.0

TOTAL NUMBER OF OBSERVATIONS 111

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	4.4	.7									5.2	3.0	2.5
020-040	4.1	1.8									5.9	3.7	3.0
050-070	4.4	1.8	.6								6.9	4.5	4.0
(E) 080-100	1.5	2.2	.1								3.8	5.2	5.0
110-130	2.2	.9	.1								3.2	4.0	3.5
140-160	1.0	.2	.2								1.5	4.8	3.5
(S) 170-190		.7									.7	2.5	2.0
200-220		.6									.6	2.6	2.0
230-250		.2									.2	2.0	2.0
(W) 260-280		1.8									1.8	2.7	3.0
290-310		6.5	.2								6.8	2.5	2.0
320-340		10.0	.5								10.5	2.7	2.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	52.8	/	/
TOTALS	37.4	8.3	1.0								100.0	1.6	3.0

TOTAL NUMBER OF OBSERVATIONS 811

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.9										2.4	4.3	4.0
020-040	2.7	7.2	1.6									11.5	6.3	6.0
050-070	7.5	23.4	6.8	.1								37.8	6.8	6.0
(E) 080-100	4.6	14.3	6.5	.1								25.5	7.2	7.0
110-130	2.3	5.4	.9									8.5	6.4	6.0
140-160	1.4	1.1	.3									2.8	5.4	4.5
(S) 170-190	.8	.5										1.3	4.3	4.0
200-220	.1	.2										.3	5.0	5.0
230-250	.3											.3	2.0	2.0
(W) 260-280	.3											.3	2.3	2.0
290-310	.5											.5	2.8	3.0
320-340	.6	.3										1.0	3.9	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	7.7	/	/
TOTALS	22.6	53.3	16.1	.2								100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	.5	.1									1.0	6.6	8.0
020-040	1.4	5.0	4.4									10.8	8.0	8.0
050-070	1.8	22.0	20.7	.9								45.3	9.0	9.0
(E) 080-100	1.3	15.9	11.2	.2								28.6	8.6	8.0
110-130	.6	2.9	1.6									5.2	7.8	8.0
140-160	.6	1.7	.6									3.0	6.9	7.5
(S) 170-190	.2	.9	.3									1.4	7.2	7.0
200-220	.4	.2	.1									.8	5.0	4.0
230-250														
(W) 260-280	.2	.5	.1									.9	6.6	6.5
290-310	.4	.4										.9	5.5	5.5
320-340	.4	.6	.1									1.2	5.5	6.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	1.1	/	/
TOTALS	7.6	50.6	39.2	1.1								100.0	8.4	8.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	.5										.9	5.4	5.5
020-040	1.1	5.5	3.8									10.3	8.1	8.0
050-070	3.0	22.6	20.2	1.0								46.8	8.8	8.0
(E) 080-100	2.3	14.6	11.5	.8								29.2	8.6	8.0
110-130	.3	2.2	.9									3.3	7.7	7.0
140-160	.8	1.1	.1									1.9	5.6	5.0
(S) 170-190	.1	1.6	.1									1.8	7.0	8.0
200-220	.1	.2										.3	5.7	6.0
230-250	.1	.1										.2	4.5	4.5
(W) 260-280	.1	.6										.8	6.9	7.0
290-310	.3	.5	.1									1.0	6.4	8.0
320-340	.2	1.1	.1									1.4	6.4	6.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	2.0	/	/
TOTALS	8.7	50.6	36.8	1.8								100.0	8.3	8.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700		STATION NAME: WHEELER AFB HI		PERIOD OF RECORD: APR 79 - MAR 89											
		LST TO UTC: +10		MONTH: AUG HOURS: 18-20											
DIRECTION (DEGREES)		WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.3	.5										1.9	3.7	3.0
020-040		6.4	8.0	.8									15.2	5.3	5.0
050-070		11.8	19.1	4.5	.1								35.6	6.0	6.0
(E) 080-100		8.7	11.2	1.3									21.3	5.2	5.0
110-130		2.3	1.2	.3									3.7	4.6	4.0
140-160		1.1	.3										1.3	3.5	3.0
(S) 170-190		.4	.4										.8	4.0	4.5
200-220		.3											.3	1.5	1.5
230-250															
(W) 260-280		.1	.1										.3	4.5	4.5
290-310		.4											.4	2.3	2.0
320-340		1.2											1.2	2.3	2.0
VARIABLE															
CALM		/	/	/	/	/	/	/	/	/	/	/	18.0	/	/
TOTALS		34.0	40.8	6.9	.1								100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS 748

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	EAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	4.1	1.0										5.1	3.2	2.0	
020-040	6.3	3.3										9.6	3.6	3.0	
050-070	6.1	5.3										11.4	4.2	4.0	
(E) 080-100	4.6	2.5	.5									7.6	4.6	4.0	
110-130	2.3	1.5	.3									4.1	4.8	4.0	
140-160	1.0	.5										1.5	2.8	1.5	
(S) 170-190	1.3											1.3	1.6	1.0	
200-220	.3											.3	2.0	2.0	
230-250	.5											.5	2.5	2.5	
(W) 260-280	1.3											1.3	2.2	2.0	
290-310	2.0											2.0	2.5	2.0	
320-340	2.8	1.0										3.8	3.2	2.0	
VARIABLE															
CALM	/	/	/	/	/	/	/	/	/	/	/	51.5	/	/	
TOTALS	32.6	15.1	.8									100.0	1.8	3.0	

TOTAL NUMBER OF OBSERVATIONS 394

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	.7	.0									2.4	3.8	3.0
020-040	3.4	5.2	2.0									10.6	6.2	6.0
050-070	5.5	16.7	9.9	.4								32.5	7.7	8.0
(E) 080-100	3.6	10.9	5.9	.2								20.6	7.5	8.0
110-130	1.5	2.5	.7									4.7	6.3	6.0
140-160	1.0	.9	.2	.0								2.1	5.5	5.0
(S) 170-190	.5	.6	.1									1.2	5.3	5.0
200-220	.3	.1	.0									.4	4.0	4.0
230-250	.2	.0										.2	2.6	2.0
(W) 260-280	.7	.2	.0									.9	4.1	3.0
290-310	1.8	.2	.0									2.0	3.2	3.0
320-340	2.7	.6	.0									3.3	3.3	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	19.0	/	/
TOTALS	22.9	8.6	18.8	.6								100.0	5.5	7.0

TOTAL NUMBER OF OBSERVATIONS 4852

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010														
020-040														
050-070		7.1										7.1	5.0	5.0
(E) 080-100	7.1	14.3										21.4	5.0	5.0
110-130		7.1										7.1	11.0	11.0
140-160		7.1	7.1									14.3	13.0	13.0
(S) 170-190	7.1											7.1	2.0	2.0
200-220	7.1											7.1	2.0	2.0
230-250														
(W) 260-280	7.1											7.1	4.0	4.0
290-310	7.1											7.1	2.0	2.0
320-340	7.1	7.1										14.3	5.0	5.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	7.1	/	/
TOTALS	42.6	28.5	14.2	7.1								100.0	5.5	5.0

TOTAL NUMBER OF OBSERVATIONS 14

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 03-05

DIRECTION (DEGRES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.8											7.8	3.1	3.0
020-040		2.9										2.9	3.3	4.0
050-070		1.0										1.0	2.0	2.0
(E) 080-100		1.9	2.9									4.9	4.2	5.0
110-130														
140-160														
(S) 170-190		1.9										1.9	2.5	2.5
200-220		1.0										1.0	2.0	2.0
230-250														
(W) 260-280														
290-310		4.9										4.9	3.0	3.0
320-340		27.2	1.9									29.1	3.0	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	46.6	/	/
TOTALS	48.6	4.8										100.0	1.7	3.0

TOTAL NUMBER OF OBSERVATIONS 103

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.2	.7										4.8	3.0	3.0
020-040	2.2	1.2										3.4	4.1	4.0
050-070	2.9	.9										3.8	3.7	3.0
(E) 080-100	1.0	1.0	.1									2.2	4.8	5.0
110-130	.8	.4										1.2	3.9	4.0
140-160	.8	.1										.9	3.3	3.0
(S) 170-190	.7											.7	1.4	1.0
200-220	.5											.5	1.5	1.5
230-250	.8											8	2.0	2.0
(W) 260-280	1.4	.1										1.6	2.5	2.0
290-310	6.4	.1										6.5	2.8	2.0
320-340	13.3	2.5										15.8	3.2	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	57.9	/	/
TOTALS	35.0	7.0	.1									100.0	1.4	3.0

TOTAL NUMBER OF OBSERVATIONS 768

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	1.6	.1									4.3	4.4	4.0
020-040	3.7	5.6	.7	.1								10.1	5.7	5.5
050-070	6.2	20.3	6.2	.1								32.8	7.0	7.0
(E) 080-100	3.9	14.1	4.6	.3								23.0	7.2	7.0
110-130	4.3	3.7	1.2									9.2	5.4	5.0
140-160	2.5	1.8	.1									4.4	4.5	4.0
(S) 170-190	1.5	.7										2.1	4.1	4.0
200-220	.6	.1										.7	3.5	3.5
230-250		.1										.1	5.0	5.0
(W) 260-280	.2	.1										.3	4.3	4.0
290-310	.2	.4										.7	5.0	6.0
320-340	1.5	1.7										3.1	4.7	5.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	9.2	/	/
TOTALS	27.2	50.2	12.9	.5								100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 891

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	.3	1.7	.3								2.4	6.8	7.0
020-040	1.8	4.4	3.4	.1							9.7	7.9	8.0
050-070	2.6	15.9	17.9	.7							37.0	9.0	10.0
(E) 080-100	1.3	12.7	13.7	.1							7.9	9.1	9.0
110-130	1.1	3.0	1.8								6.0	7.3	8.0
140-160	1.0	1.3	.6								2.9	6.2	6.0
(S) 170-190	1.0	2.9	.1								4.0	6.0	6.0
200-220	.3	.9	.1								1.3	6.3	6.0
230-250	.3	.4									.8	5.0	5.0
(W) 260-280	.2	.7	.2								1.1	7.0	6.5
290-310	.3	1.2									1.6	5.9	6.0
320-340	.7	2.4	.7								3.7	7.0	7.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	1.6	/	/
TOTALS	10.9	47.5	38.8	.9							100.0	8.2	8.0

TOTAL NUMBER OF OBSERVATIONS 889

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	.7	1.6	.7								2.9	7.0	2.0
020-040	1.0	4.6	4.3								10.0	8.2	8.0
050-070	3.1	19.8	15.7	1.0							39.6	8.5	8.0
(E) 080-100	2.0	13.8	9.8								25.7	8.3	8.0
110-130	.3	3.1	1.0								4.4	7.2	7.0
140-160	.9	1.2	.1								2.3	5.2	5.0
(S) 170-190	.9	1.7	.1								2.7	5.2	5.0
200-220	.6	1.0	.1								1.7	5.2	5.0
230-250	.3	.1									.5	3.8	3.5
(W) 260-280	.3	.7									1.0	4.3	5.0
290-310	.2	.9	.2								1.4	6.8	7.0
320-340	1.6	2.4	.8								4.8	6.1	6.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	3.2	/	/
TOTALS	11.9	50.9	32.8	1.0							100.0	7.6	8.0

TOTAL NUMBER OF OBSERVATIONS 884

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFBHI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	2.1										6.3	4.2	4.0
020-040	7.7	6.4	.4									14.5	4.7	4.0
050-070	11.8	12.5	1.9									26.2	5.3	5.0
(E) 080-100	6.0	8.0	1.0									15.0	5.4	5.0
110-130	1.3	1.4	.3									3.0	4.9	5.0
140-160	.9	.6										1.4	3.9	4.0
(S) 170-190	.9	.1										1.0	3.4	4.0
200-220	.7											.7	2.6	2.0
230-250														
(W) 260-280		.1										.1	7.0	7.0
290-310	.9	.3										1.1	3.8	3.5
320-340	4.1	2.7										6.8	4.3	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	23.8	/	/
TOTALS	38.4	34.2	3.6									100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 702

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700		STATION NAME: WHEELER AFB HI		PERIOD OF RECORD: APR 79 - MAR 89											
		LST TO UTC: +10		MONTH: SEP HOURS: 21-23											
DIRECTION (DEGREES)		WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
(N) 350-010		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	%	WIND	WIND
(N) 350-010		5.5											5.5	2.8	2.5
020-040		5.5	1.6										7.1	3.7	4.0
050-070		5.8	4.4	.8									11.0	4.9	4.0
(E) 080-100		4.1	2.2										6.3	4.2	4.0
110-130		1.9	.5										2.5	3.4	3.0
140-160															
(S) 170-190		.8											.8	2.0	2.0
200-220		.3											.3	4.0	4.0
230-250		.3											.3	3.0	3.0
(W) 260-280		1.4											1.4	2.8	3.0
290-310		5.5	.8										6.3	3.0	2.0
320-340		8.8	1.6										10.4	3.0	2.0
VARIABLE															
CALM		/	/	/	/	/	/	/	/	/	/	/	48.1	/	/
TOTALS		39.9	11.1	.8									100.0	1.9	3.0

TOTAL NUMBER OF OBSERVATIONS 364

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	1.4	.2									4.2	4.5	4.0
020-040	3.3	4.1	1.7	.0								9.2	6.2	6.0
050-070	5.0	13.2	8.0	.3								26.6	7.6	8.0
(E) 080-100	2.9	9.5	5.6	.1								18.0	7.7	8.0
110-130	1.6	2.2	.8									4.6	6.0	6.0
140-160	1.1	1.0	.2									2.2	4.9	4.5
(S) 170-190	1.0	1.0	.0									2.1	4.8	5.0
200-220	.5	.4	.0									1.0	4.5	4.0
230-250	.3	.1										.4	3.7	3.0
(W) 260-280	.5	.3	.0									.9	4.3	4.0
290-310	1.9	.6	.0									2.6	3.8	3.0
320-340	4.9	2.2	.3									7.4	4.2	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	20.8	/	/
TOTALS	25.6	36.0	16.8	.4								100.0	5.1	6.0

TOTAL NUMBER OF OBSERVATIONS 4601

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010														
020-040	14.3											14.3	3.0	3.0
050-070														
(E) 080-100		14.3										14.3	7.0	7.0
110-130		28.6										28.6	7.0	7.0
140-160														
(S) 170-190														
200-220	14.3											14.3	3.0	3.0
230-250														
(W) 260-280														
290-310														
320-340	14.3											14.3	1.0	1.0
<hr/>														
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	14.3	/	/
TOTALS	42.9	42.9										100.0	4.0	4.5

TOTAL NUMBER OF OBSERVATIONS 7

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.3	.9										8.3	5.3	3.0
020-040	2.8	.9										3.7	3.8	4.0
050-070	1.8	.9										2.8	4.0	3.0
(E) 080-100	1.8	.9										2.8	3.7	4.0
110-130														
140-160		.9										.9	2.0	2.0
(S) 170-190														
200-220														
230-250		1.8										1.8	1.5	1.5
(W) 260-280		2.8										2.8	1.7	2.0
290-310		11.9										11.9	2.7	2.0
320-340		22.0	.9									22.9	3.3	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	42.2	/	/
TOTALS	53.1	4.5										100.0	1.8	3.0

TOTAL NUMBER OF OBSERVATIONS 109

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	4.6	.8										5.3	3.0	3.0	
020-040	3.0	1.5	.1									4.7	4.2	4.0	
050-070	3.2	1.8	.4									5.3	4.4	4.0	
(E) 080-100	1.6	1.5	.1									3.3	5.0	5.0	
110-130	.6	.8										1.4	4.5	5.0	
140-160	.5	1.0										1.5	5.3	5.0	
(S) 170-190	.4	.4										.8	4.7	4.5	
200-220	.9											.9	2.4	2.0	
230-250	.8											.8	2.2	2.0	
(W) 260-280	1.3	.1										1.4	2.6	2.0	
290-310	5.8	.5										6.3	3.1	3.0	
320-340	18.4	2.2										20.5	3.1	3.0	
VARIABLE															
CALM	/	/	/	/	/	/	/	/	/	/	/	47.8	/	/	
TOTALS	41.1	10.6	.6									100.0	1.8	3.0	

TOTAL NUMBER OF OBSERVATIONS 789

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	2.7	.1									5.2	4.8	5.0
020-040	3.7	6.9	1.4									12.1	5.9	6.0
050-070	6.9	14.9	5.6	.1								27.6	6.7	6.0
(E) 080-100	3.0	10.7	5.0	.1								18.9	7.3	8.0
110-130	2.7	3.3	1.2									7.2	5.9	5.0
140-160	3.3	2.7	.9	.1								6.9	5.9	5.0
(S) 170-190	.9	1.1	.1									2.1	4.9	5.0
200-220	.1	.2										.3	4.7	5.0
230-250	.2	.1										.3	3.0	2.0
(W) 260-280	.1		.1									.2	7.0	7.0
290-310	.8	.5	.1									1.4	4.5	4.0
320-340	3.0	2.0	.3									5.3	4.6	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	12.5	/	/
TOTALS	27.1	45.1	14.8	.3								100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 921

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	2.4	.2									3.6	6.2	6.0
020-040	1.2	6.3	3.9	.2								11.6	8.2	8.0
050-070	2.5	16.3	15.9	.8								35.4	8.8	9.0
(E) 080-100	1.7	11.8	8.6	.3								22.5	8.4	8.0
110-130	1.0	4.6	1.0									6.5	7.0	6.5
140-160	.5	2.6	1.4	.2								4.8	8.0	7.0
(S) 170-190	.3	2.5	1.7									4.6	8.3	8.5
200-220	.2	.4	.2									.9	6.5	5.5
230-250	.2	.1	.2									.5	7.0	8.0
(W) 260-280	.3	.1										.4	3.8	3.0
290-310	1.1	1.4	.1									2.6	5.3	5.0
320-340	1.2	3.1	.4									4.8	6.2	6.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	1.8	/	/
TOTALS	11.2	51.6	33.6	1.5								100.0	8.0	8.0

TOTAL NUMBER OF OBSERVATIONS 921

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	3.4	.4									4.5	6.7	6.0
020-040	2.1	8.4	3.4	.1								14.0	7.6	7.0
050-070	3.5	18.7	10.8	.7								33.7	8.0	8.0
(E) 080-100	3.5	12.9	6.2	.3								23.0	7.6	8.0
110-130	1.3	2.7	.7									4.7	6.1	6.0
140-160	.9	3.3	.8									4.9	6.4	6.0
(S) 170-190	.4	3.2	1.0									4.6	7.3	7.0
200-220	.3	.8	.1									1.2	5.3	6.0
230-250	.4	.2	.1									.8	5.6	4.0
(W) 260-280	.1	.2										.3	5.0	5.0
290-310	.2	.8	.3									1.3	6.8	7.0
320-340	.8	3.2	.2									4.2	6.2	6.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	2.8	/	/
TOTALS	14.2	57.8	24.0	1.1								100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 914

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	2.8	.1									6.4	4.5	4.0
020-040	6.8	6.8	.3									13.9	4.8	5.0
050-070	9.1	7.2	1.4									17.7	5.1	4.0
(E) 080-100	5.8	5.0	.4									11.3	4.6	4.0
110-130	3.1	1.0										4.0	3.5	3.0
140-160	2.1	2.8										4.9	4.9	5.0
(S) 170-190	1.4	.8	.1									2.4	4.5	4.0
200-220	1.1											1.1	2.4	2.0
230-250	1											.1	2.0	2.0
(W) 260-280	.3	.1										.4	3.3	3.0
290-310	.4	.4	.1									1.0	5.3	6.0
320-340	6.3	1.9										8.2	3.6	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	28.6	/	/
TOTALS	40.0	28.8	2.4									100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 718

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI

PERIOD OF RECORD: APR 79 - MAR 89

LST TO UTC: +10

MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.0	.9										5.9	3.1	3.0
020-040	4.4	2.3										6.7	4.5	4.0
050-070	4.4	2.3		.3								7.0	4.4	4.0
(E) 080-100	3.2	2.9	.3									6.5	4.9	4.5
110-130	1.8	.9										2.6	3.8	3.0
140-160		.3										.3	3.0	3.0
(S) 170-190		.3										.3	2.0	2.0
200-220		.9										.9	2.3	3.0
230-250														
(W) 260-280	1.5	.3										1.8	2.8	2.5
290-310	7.0	.6										7.6	3.2	3.0
320-340	11.4	1.5	.3									13.2	3.2	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	47.2	/	/
TOTALS	40.2	11.7	.6	.3								100.0	2.0	3.0

TOTAL NUMBER OF OBSERVATIONS 341

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	2.3	.2									5.1	4.7	4.0
020-040	3.3	5.7	1.8	.1								10.8	6.4	6.0
050-070	4.8	11.3	6.6	.3								23.0	7.4	7.5
(E) 080-100	3.1	8.2	4.0	.1								15.3	7.3	7.0
110-130	1.7	2.4	.6									4.6	5.8	6.0
140-160	1.4	2.3	.6	.1								4.3	6.2	6.0
(S) 170-190	.6	1.5	.6									2.7	6.7	7.0
200-220	.5	.3	.1									.8	4.2	3.0
230-250	.4	.1	.1									.5	4.2	3.5
(W) 260-280	.5	.1	.0									.7	3.3	2.0
290-310	2.2	.7	.1									3.1	4.0	3.0
320-340	6.3	2.4	.2									9.0	4.0	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	20.1	/	/
TOTALS	27.4	37.3	14.9	.6								100.0	5.0	6.0

TOTAL NUMBER OF OBSERVATIONS 4713

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7											2.7	2.0	2.0
020-040														
050-070														
(E) 080-100	2.7											2.7	4.0	4.0
110-130		8.1										8.1	10.7	10.0
140-160	2.7	16.2	24.3	5.4								48.6	9.9	10.0
(S) 170-190	2.7	5.4	2.7									10.8	7.3	6.5
200-220	2.7											2.7	2.0	2.0
230-250														
(W) 260-280														
290-310		2.7										2.7	6.0	6.0
320-340	2.7											2.7	2.0	2.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	18.9	/	/
TOTALS	16.2	24.3	35.1	5.4								100.0	6.9	9.0

TOTAL NUMBER OF OBSERVATIONS 37

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.4	1.1										6.5	4.2	4.0
020-040	2.2	1.1										3.3	4.0	4.0
050-070	1.1	1.1										2.2	5.0	5.0
(E) 080-100	2.2	5.4										7.6	5.4	6.0
110-130														
140-160	2.2	1.1										3.3	5.0	4.0
(S) 170-190		1.1	1.1									2.2	9.5	9.5
200-220														
230-250		1.1										1.1	2.0	2.0
(W) 260-280		2.2										2.2	2.0	2.0
290-310		3.3										3.3	1.7	2.0
320-340	16.3	6.5										22.8	3.4	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	45.7	/	/
TOTALS	36.0	17.4	1.1									100.0	2.2	4.0

TOTAL NUMBER OF OBSERVATIONS 92

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	.8	.6									5.3	4.3	4.0
020-040	3.7	1.4	.3									5.3	4.1	3.5
050-070	2.4	1.8	.4									4.6	5.0	4.0
(E) 080-100	1.4	1.8	.7	.4								4.4	7.2	6.0
110-130	1.7	.1	.6	.1								2.5	5.2	3.5
140-160	1.3	.6	.3									2.1	5.4	4.0
(S) 170-190	.8	.1	.3	.3								1.5	7.2	4.0
200-220	.3	.3										.6	4.3	4.5
230-250	.4											.4	2.3	2.0
(W) 260-280	1.5											1.5	2.4	2.0
290-310	4.2	.6	.1									4.9	3.1	2.0
320-340	14.9	2.4	.1									17.4	3.3	3.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	49.2	/	/
TOTALS	36.5	9.9	3.4	.8								100.0	2.2	3.0

TOTAL NUMBER OF OBSERVATIONS 711

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI

PERIOD OF RECORD: APR 79 - MAR 89

LST TO UTC: +10

MONTH: NOV HOURS: 09-11

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.8	1.9	.8									5.5	5.4	4.0
020-040	3.6	5.3	1.9									10.7	6.2	6.0
050-070	6.8	12.1	3.0	.4								22.3	6.3	6.0
(E) 080-100	3.2	9.6	3.7	.2								16.7	7.5	8.0
110-130	3.4	3.4	1.2	.1								8.1	6.0	6.0
140-160	2.8	2.0	.2	.1	.1							5.3	5.4	4.0
(S) 170-190	2.2	1.3	.5	.4								4.3	6.0	4.0
200-220	.4	.4		.2								.9	8.0	6.5
230-250	.2											.2	1.5	1.5
(W) 260-280	.7		.1									.8	3.7	3.0
290-310	1.8	.6		.1								2.5	4.1	4.0
320-340	2.3	4.4	1.4	.1								8.3	6.2	6.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	14.4	/	/
TOTALS	30.2	41.0	12.8	1.6	.1							190.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS 856

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	2.0	1.9	.1								5.0	7.6	7.0
020-040	1.3	5.9	2.6	.2								10.0	7.7	8.0
050-070	2.5	16.5	9.3	.2								28.5	8.0	8.0
(E) 080-100	1.5	12.3	10.0	.8								24.6	8.8	9.0
110-130	1.4	5.4	.9		.1							7.9	6.9	6.0
140-160	.5	2.8	.9	.2								4.5	8.0	7.5
(S) 170-190	.5	2.5	.2	.2		.1						3.5	8.0	7.0
200-220	.8	.8	.1	.1		.1						2.0	7.0	5.0
230-250	.4	.4										.7	4.8	4.0
(W) 260-280	.2	.2										.5	4.8	4.5
290-310	.5	1.8	.1	.1								2.5	6.7	6.0
320-340	2.3	3.8	1.9	.4								8.3	7.0	7.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	2.0	/	/
TOTALS	13.0	54.4	27.9	2.3	.1	.2						100.0	7.7	8.0

TOTAL NUMBER OF OBSERVATIONS 852

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	3.7	1.8									7.5	7.0	7.0
020-040	1.8	5.7	2.1									9.6	7.0	7.0
050-070	6.3	19.5	7.5	.2	.1							33.6	7.3	7.0
(E) 080-100	3.0	12.3	5.7	.2								21.2	7.7	8.0
110-130	.9	1.1	.8									2.8	6.6	6.0
140-160	1.3	2.0	.8	.1								4.3	6.7	6.0
(S) 170-190	.8	2.8	.5				.1	.1				4.4	7.9	6.0
200-220	.4	.5					.1					.9	7.6	5.0
230-250	.6	.8										1.4	4.7	5.0
(W) 260-280		.1										.1	6.0	6.0
290-310	.5	1.3										1.8	5.7	6.0
320-340	2.0	5.9	1.4									9.4	6.2	6.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	3.0	/	/
TOTALS	19.6	55.7	20.6	.5	.1	.2		.1				100.0	6.9	7.0

TOTAL NUMBER OF OBSERVATIONS 844

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 70 - MAR 80  
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.4	3.4	.3									9.1	4.5	4.0
020-040	5.5	2.9	.3									8.8	4.3	4.0
050-070	8.4	4.4	.5		.2							13.5	4.7	4.0
(E) 080-100	6.2	4.7	.5									11.4	4.9	4.0
110-130	3.9	1.3	.2									5.4	3.6	3.0
140-160	1.0	.6	.2									1.8	4.0	3.0
(S) 170-190	1.5	.5										1.9	3.3	3.0
200-220	.8	.2	.2				.2					1.3	7.1	3.0
230-250		.2			.2							.3	15.0	15.0
(W) 260-280	.3											.3	2.5	2.5
290-310	1.5	.8										2.3	3.4	3.0
320-340	9.7	2.6	.3					.2				12.8	4.4	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	31.2	/	/
TOTALS	44.2	21.6	2.5	.4	.2				.2			100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 616

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	.3										3.1	3.7	4.0
020-040	2.7	1.7	.3									4.8	4.8	4.0
050-070	4.8	1.7										6.5	3.8	4.0
(E) 080-100	3.1	2.7	1.0									6.5	5.9	5.0
110-130	1.7	1.4										3.1	4.2	3.0
140-160	1.4											1.4	3.0	3.0
(S) 170-190	.3											.3	3.0	3.0
200-220	.7											.7	2.5	2.5
230-250	.3						.3					.7	17.5	13.0
(W) 260-280	.7		.3									1.0	6.7	3.0
290-310	5.1											5.1	2.5	2.0
320-340	12.2	3.4	.7									16.3	3.8	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	50.3	/	/
TOTALS	35.7	11.2	2.0	.3			.3					100.0	2.1	4.0

TOTAL NUMBER OF OBSERVATIONS 294

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	2.9	2.2	1.0	.0							6.1	5.7	5.0
020-040	3.0	4.2	1.4	.0							8.6	6.1	6.0
050-070	5.1	10.7	4.1	.2	.0						20.0	6.9	7.0
(E) 080-100	2.9	8.1	4.1	.3							15.5	7.6	8.0
110-130	2.1	2.3	.7	.0	.0						5.2	5.8	6.0
140-160	1.4	1.6	.5	.1	.0						3.6	6.2	6.0
(S) 170-190	1.1	1.4	.3	.2		.0		.0			3.0	6.9	6.0
200-220	.5	.4	.0	.1		.0	.0				1.1	6.9	5.0
230-250	.4	.3			.0		.0				.7	5.8	3.5
(W) 260-280	.6	.1	.0	.0							.7	3.5	3.0
290-310	1.9	.9	.0	.0							2.9	4.1	4.0
320-340	6.4	4.0	1.1	.1				.0			11.	5.0	4.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	21.0	/	/
TOTALS	28.3	36.2	13.2	1.0							100.0	5.0	6.0

TOTAL NUMBER OF OBSERVATIONS 4265

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010												1.6	10.0	10.0
020-040												1.6	5.0	5.0
050-070	1.6	3.2										4.8	5.7	7.0
(E) 080-100												1.6	10.0	10.0
110-130					1.6	3.2	1.6					6.3	15.5	15.0
140-160	1.6	3.2	3.2				1.6					9.5	10.5	10.5
(S) 170-190	1.6	.2	4.8			3.2		1.6				14.3	18.8	16.0
200-220	1.6	1.6		1.6		3.2	1.6					9.5	19.2	21.5
230-250						1.6		1.6				3.2	28.0	23.5
(W) 260-280						1.6						1.6	15.0	15.0
290-310	1.6	1.6										3.2	5.5	5.5
320-340	1.6	14.3	6.3	1.6								23.8	8.0	8.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	19.0	/	/
TOTALS	9.6	25.5	17.5	12.8	4.8	6.4	3.2	1.6				100.0	10.4	10.0
	TOTAL NUMBER OF OBSERVATIONS										63			

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	2.1	1.1	1.1								4.3	5.8	5.0
020-040		1.1	2.1								3.2	4.7	6.0
050-070		2.1	3.2								5.3	5.6	6.0
(E) 080-100	2.1	2.1	2.1								6.4	6.7	7.0
110-130			1.1								1.1	9.0	9.0
140-160		1.1	2.1	1.1							4.3	7.0	7.0
(S) 170-190	2.1	2.1	1.1								5.3	5.8	5.0
200-220		1.1	1.1								2.1	4.5	4.5
230-250													
(W) 260-280		3.2									3.2	2.0	2.0
290-310		4.3									4.3	1.5	1.5
320-340		17.0	3.2								20.2	3.0	3.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	40.4	/	/
TOTALS	36.2	18.1	5.4								100.0	2.6	3.5

TOTAL NUMBER OF OBSERVATIONS 94

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.6	1.8	.5									5.9	4.7	4.0
020-040	2.3	1.2	.3									3.8	4.2	4.0
050-070	1.0	1.4	.3	.1								2.7	6.3	6.0
(E) 080-100	1.1	.8	1.2									3.1	6.8	7.0
110-130	1.4	.7	.3	.1								2.5	5.7	4.0
140-160	2.3	.5	.4									3.3	4.8	3.0
(S) 170-190	1.4	2.5	.3									4.1	5.5	5.0
200-220	.7	.1	.1									1.0	4.4	4.0
230-250	.3	.3	.3									.8	7.3	7.0
(W) 260-280	1.5	.1	.1									1.8	3.5	3.0
290-310	6.0	1.4	.3									7.7	3.4	3.0
320-340	12.7	4.9	.5									18.2	3.8	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	45.1	/	/
TOTALS	34.3	15.7	4.6	.2								100.0	2.5	4.0

TOTAL NUMBER OF OBSERVATIONS 731

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	4.1	.6									7.4	5.5	6.0
020-040	2.3	3.2	1.1	.1								6.7	6.2	6.0
050-070	2.3	4.5	1.7	.2								8.7	6.7	6.0
(E) 080-100	2.2	4.3	3.0									9.5	7.3	7.0
110-130	3.1	4.7	.9									8.7	5.5	5.0
140-160	3.9	4.9	2.1	.2								11.1	6.3	6.0
(S) 170-190	1.9	3.5	1.7	.1								7.3	6.9	6.0
200-220	1.3	.8										2.1	4.2	4.0
230-250	.8	.3	.1	.1	.1							1.5	6.7	4.0
(W) 260-280	1.0	.3	.1	.1								1.6	5.1	4.0
290-310	2.4	1.7	.2									4.3	4.2	4.0
320-340	5.8	4.2	1.6	.1								11.8	5.4	5.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	18.9	/	/
TOTALS	30.2	36.5	13.1	.9	.1							100.0	4.9	6.0

TOTAL NUMBER OF OBSERVATIONS 876

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700		STATION NAME: WHEELER AFB HI		PERIOD OF RECORD: APR 79 - MAR 89												
		LST TO UTC: +10		MONTH: DEC HOURS: 12-14												
DIRECTION (DEGREES)		WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		2.0	3.2	1.4	.6									7.1	7.2	7.0
020-040		2.3	4.5	2.2	.3	.1								9.4	7.2	7.0
050-070		3.1	9.0	2.6	.5	.1								15.3	7.1	7.0
(E) 080-100		2.4	7.9	2.5	.9									13.8	7.8	7.0
110-130		2.3	3.8	.8	.2									7.1	6.5	6.0
140-160		2.8	5.6	2.0	.1									10.5	6.7	6.0
(S) 170-190		2.2	5.2	3.3	.1									10.8	7.5	8.0
200-220		1.4	1.3	.5	.1									3.2	6.0	5.0
230-250		.3	1.5	.3	.1									2.3	7.2	6.0
(W) 260-280		.6	1.3	.3		.1								2.3	6.9	6.5
290-310		1.5	2.4	.6										4.5	6.0	6.0
320-340		2.8	6.6	1.3	.3									10.9	6.6	6.0
VARIABLE																
CALM		/	/	/	/	/	/	/	/	/	/	/	/	2.8	/	/
TOTALS		23.7	52.3	17.8	3.2	.3								100.0	6.8	6.0
TOTAL NUMBER OF OBSERVATIONS 870																

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	4.2	2.0	.2								7.9	7.6	7.0
020-040	2.5	5.3	1.6	.1								9.5	6.4	6.0
050-070	2.7	9.9	2.6									15.2	7.0	7.0
(E) 080-100	3.4	7.4	2.1	.4								13.3	6.7	6.0
110-130	2.0	3.4	.6	.1								6.1	5.8	5.5
140-160	2.2	4.5	1.3	.1								8.1	6.8	6.0
(S) 170-190	2.1	6.6	1.8	.1								10.6	6.7	6.0
200-220	.8	2.0	.2									3.1	5.8	5.5
230-250	1.1	1.9	.5									3.4	6.2	6.0
(W) 260-280	.8	1.2	.1									2.1	5.2	5.0
290-310	.9	1.6	.7									3.3	6.6	6.0
320-340	3.9	8.5	1.5									13.9	6.3	6.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	3.5	/	/
TOTALS	23.8	56.5	15.0	1.0								100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 850

OPERATING LOCATION "A"  
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700		STATION NAME: WHEELER AFB HI		PERIOD OF RECORD: APR 79 - MAR 89											
		LST TO UTC: +10		MONTH: DEC HOURS: 18-20											
DIRECTION (DEGREES)		WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		5.7	3.6	1.2	.3								10.9	5.4	4.0
020-040		3.8	2.9	1.0									7.8	5.1	5.0
050-070		5.0	3.5	1.2	.2								9.9	5.5	4.0
(E) 080-100		2.8	1.7	1.0	.3								5.9	6.5	5.0
110-130		2.6	1.0										3.6	3.4	2.0
140-160		4.5	1.2	.3									6.1	3.8	3.0
(S) 170-190		3.1	2.6	.3									6.1	4.9	4.0
200-220		1.0	.7	.2									1.9	5.1	4.0
230-250		1.0	.9										1.9	4.4	4.0
(W) 260-280		1.0	.9	.2									2.1	4.7	4.5
290-310		2.6	.7										3.3	3.5	3.0
320-340		10.6	3.1	1.0									14.7	4.2	4.0
VARIABLE															
CALM		/	/	/	/	/	/	/	/	/	/	/	26.0	/	/
TOTALS		43.7	22.8	6.4	.8								100.0	3.6	4.0
TOTAL NUMBER OF OBSERVATIONS 578															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.6	1.7	.9									8.2	4.5	3.0
020-040	3.9	2.6										6.4	4.2	4.0
050-070	1.7	2.6										4.3	4.6	5.0
(E) 080-100	.4	2.1	.9									3.4	7.8	7.5
110-130	.9	.9	.4									2.1	6.0	6.0
140-160	.9	1.3										2.1	5.0	6.0
(S) 170-190	1.3	2.1										3.4	5.5	5.5
200-220	.9											.9	2.5	2.5
230-250	.4	.4										.9	3.5	3.5
(W) 260-280	.4											.4	2.0	2.0
290-310	6.4	.9										7.3	3.1	3.0
320-340	11.2	1.3										12.4	2.8	2.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	48.1	/	/
TOTALS	34.0	15.9	2.2									100.0	2.2	4.0

TOTAL NUMBER OF OBSERVATIONS 233

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	3.1	3.3	1.1	.2							7.7	6.1	5.0
020-040	2.6	3.4	1.2	.1	.0						7.4	6.1	6.0
050-070	2.6	5.7	1.6	.2	.0						10.2	6.7	6.0
(E) 080-100	2.3	4.6	2.0	.3							9.1	7.2	7.0
110-130	2.2	2.8	.5	.1							5.6	5.7	5.0
140-160	2.9	3.4	1.2	.1							7.7	6.1	6.0
(S) 170-190	2.1	4.1	1.5	.1							7.7	6.6	6.0
200-220	1.0	1.0	.2	.0							2.2	5.3	5.0
230-250	.7	.9	.2	.0	.0						1.9	6.3	6.0
(W) 260-280	1.0	.7	.2	.0	.0						1.9	5.1	4.0
290-310	2.8	1.6	.4								4.7	4.5	4.0
320-340	7.2	5.3	1.1	.1							13.8	5.0	4.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	20.1	/	/
TOTALS	30.5	36.8	11.2	1.2							100.0	4.8	6.0

TOTAL NUMBER OF OBSERVATIONS 4232

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	1.8	5.5									10.1	8.5	10.0
020-040		.9										.9	8.0	8.0
050-070	.9	.9										1.8	4.0	4.0
(E) 080-100	1.8											1.8	3.0	3.0
110-130	4.6	2.8	.9	.9								9.2	6.4	4.5
140-160	3.7	13.8	7.3	.9								25.7	8.1	8.0
(S) 170-190	1.8	8.3	1.8									11.9	6.9	7.0
200-220	3.7	1.8										5.5	4.0	3.5
230-250	1.8	.9		.9								3.7	7.8	6.0
(W) 260-280	1.8	1.8	.9									4.6	6.4	5.0
290-310	1.8											1.8	4.0	4.0
320-340	3.7	5.5	3.7									12.8	6.6	5.5
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	10.1	/	/
TOTALS	28.4	38.5	20.1	2.7								100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 109

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	2.4	.6	.0								5.5	5.4	5.0
020-040	3.1	4.8	1.9	.1	.0							9.9	6.4	6.0
050-070	4.6	11.5	6.1	.3	.0							22.6	7.4	7.0
(E) 080-100	3.3	8.3	4.4	.3	.0							16.3	7.4	7.0
110-130	1.7	2.3	.7	.0	.0							4.7	6.0	6.0
140-160	1.5	1.8	.4	.0	.0							3.7	5.7	5.0
(S) 170-190	1.1	1.7	.5	.0	.0	.0						3.3	6.2	6.0
200-220	.6	.5	.2	.0	.0	.0	.0					1.3	6.3	5.0
230-250	.4	.4	.2	.0	.0	.0	.0	.0				1.0	6.5	6.0
(W) 260-280	.7	.4	.1	.0	.0	.0						1.2	4.8	4.0
290-310	2.0	.9	.2	.0								3.1	4.4	4.0
320-340	4.9	3.2	.7	.0								8.9	4.8	4.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	18.5	/	/
TOTALS	26.4	38.2	16.0	.7								100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS: 55038

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTL: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	3.7	2.1									7.6	7.1	8.0
020-040	1.2	3.5	.4									5.1	6.1	6.0
050-070	2.5	2.8	.2									5.5	5.0	5.0
(E) 080-100	2.1	2.8	1.1	.5								6.6	7.1	7.0
110-130	1.8	1.4	1.2	.5	.2							5.1	8.0	7.0
140-160	3.4	6.6	4.3	.9	.4							15.4	8.2	8.0
(S) 170-190	2.8	4.4	3.0	.7	.5	.7	.2					12.4	9.7	8.0
200-220	2.0	1.1	.9	.4	.5	.7	.2					5.7	11.3	8.0
230-250	.4	.4	.7	.5	.5	.2						2.5	14.6	14.0
(W) 260-280	.7	.4	.5	.4								2.0	8.5	7.0
290-310	1.6	2.5										4.1	5.1	5.0
320-340	3.7	6.6	3.4	.4								14.0	6.9	6.0
VARIABLE														
CALM	/	/	/	/	/	/	/	/	/	/	/	14.0	/	/
TOTALS	24.0	36.0	17.8	4.3	2.1	1.4	.4	.2				100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS: 564

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	DDDDDDDD
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	DDDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRRR	TT	DD DD
PPPPPPPP	AAAAAAA	RRRRRRR	TT	DD DD
PP	AAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET--"NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.  
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNCPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURRED, OR TOTALLY OBSCURRED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR  
1/8 THRU 4/8.....SCATTERED  
5/8 THRU 7/8.....BROKEN  
8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS," HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	
GE 20000	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	
GE 18000	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	
GE 16000	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	
GE 14000	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	
GE 12000	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	
GE 10000	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	
GE 9000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	
GE 8000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	
GE 7000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	
GE 6000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	
GE 5000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	
GE 4500	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	
GE 4000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	
GE 3500	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	
GE 3000	80.3	80.3	80.3	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	
GE 2500	89.3	90.2	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	
GE 2000	91.8	93.4	95.9	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	
GE 1800	91.8	93.4	95.9	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	
GE 1500	93.4	95.1	97.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE 1200	93.4	95.1	97.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE 1000	93.4	95.1	97.5	98.4	99.2	99.2	99.2	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 900	93.4	95.1	97.5	98.4	99.2	99.2	99.2	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 800	93.4	95.1	97.5	98.4	99.2	99.2	99.2	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 700	93.4	95.1	97.5	98.4	99.2	99.2	99.2	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 600	93.4	95.1	97.5	98.4	99.2	99.2	99.2	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 500	93.4	95.1	97.5	98.4	99.2	99.2	99.2	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	93.4	95.1	97.5	98.4	99.2	99.2	99.2	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	93.4	95.1	97.5	98.4	99.2	99.2	99.2	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	93.4	95.1	97.5	98.4	99.2	99.2	99.2	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	93.4	95.1	97.5	98.4	99.2	99.2	99.2	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 000	93.4	95.1	97.5	98.4	99.2	99.2	99.2	99.2	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 122

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 20000	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 18000	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 16000	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 14000	59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 12000	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 10000	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 9000	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 8000	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 7000	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 6000	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 5000	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 4500	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 4000	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 3500	74.5	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 3000	84.4	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3
GE 2500	88.7	88.8	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3
GE 2000	92.7	93.0	94.8	95.1	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.7	95.7	95.7	95.7
GE 1800	93.0	93.4	95.1	95.5	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2
GE 1500	93.6	94.0	95.8	96.3	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.6	97.6
GE 1200	93.8	94.2	96.1	96.6	97.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.2	98.2	98.2
GE 1000	93.8	94.4	96.3	96.9	98.3	98.3	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.1	99.2
GE 900	93.8	94.4	96.3	96.9	98.3	98.3	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0	99.1	99.2
GE 800	93.8	94.4	96.3	96.9	98.3	98.3	98.8	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.2	99.3
GE 700	93.8	94.4	96.3	97.0	98.4	98.4	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.3	99.5
GE 600	93.8	94.4	96.3	97.0	98.4	98.4	99.0	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.5	99.6
GE 500	93.8	94.4	96.3	97.0	98.4	98.4	99.0	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.5	99.6
GE 400	93.8	94.4	96.3	97.0	98.4	98.4	99.0	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.5	99.6
GE 300	93.8	94.4	96.3	97.0	98.4	98.4	99.0	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.6	99.7
GE 200	93.8	94.4	96.3	97.0	98.4	98.4	99.0	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.6	99.7
GE 100	93.8	94.4	96.3	97.0	98.4	98.4	99.0	99.1	99.1	99.2	99.2	99.2	99.5	99.5	99.7	99.9
GE 000	93.8	94.4	96.3	97.0	98.4	98.4	99.0	99.1	99.1	99.2	99.2	99.2	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 762

D - 2 - 2

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 20000	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 18000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 16000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 14000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 12000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 10000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 9000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 8000	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 7000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 6000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 5000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 4500	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 4000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 3500	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 3000	86.3	86.4	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 2500	89.9	90.1	90.7	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 2000	93.8	94.0	94.8	95.5	95.9	95.9	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1800	94.1	94.3	95.2	96.0	96.6	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500	94.7	95.0	95.9	96.9	97.5	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	95.3	95.7	96.6	97.6	98.3	98.4	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	95.3	95.7	96.6	97.6	98.3	98.5	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	95.3	95.7	96.6	97.6	98.3	98.5	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	95.3	95.7	96.6	97.6	98.3	98.5	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	95.3	95.7	96.6	97.6	98.3	98.5	99.1	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	95.3	95.7	96.6	97.6	98.3	98.5	99.1	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	95.3	95.7	96.6	97.6	98.3	98.5	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	95.3	95.7	96.6	97.6	98.3	98.5	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	95.3	95.7	96.6	97.6	98.3	98.5	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	95.3	95.7	96.6	97.6	98.3	98.5	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.3	95.7	96.6	97.6	98.3	98.5	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	95.3	95.7	96.6	97.6	98.3	98.5	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 881

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	
GE 20000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	
GE 18000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	
GE 16000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	
GE 14000	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	
GE 12000	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	
GE 10000	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	
GE 9000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	
GE 8000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	
GE 7000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	
GE 6000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	
GE 5000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	
GE 4500	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	
GE 4000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	
GE 3500	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	
GE 3000	86.7	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	
GE 2500	90.8	91.1	91.5	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	
GE 2000	93.9	94.3	95.1	95.7	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	
GE 1800	94.0	94.4	95.2	95.8	96.5	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
GE 1500	94.2	94.8	95.6	96.5	97.5	97.7	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE 1200	94.4	95.0	95.8	96.7	97.8	98.1	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
GE 1000	94.7	95.2	96.0	96.9	98.2	98.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 900	94.7	95.2	96.0	96.9	98.2	98.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 800	94.7	95.2	96.0	96.9	98.2	98.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 700	94.7	95.2	96.0	96.9	98.2	98.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 600	94.7	95.2	96.0	96.9	98.2	98.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 500	94.7	95.2	96.0	96.9	98.2	98.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	94.7	95.2	96.0	96.9	98.2	98.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	94.7	95.2	96.0	96.9	98.2	98.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	94.7	95.2	96.0	96.9	98.2	98.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	94.7	95.2	96.0	96.9	98.2	98.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 000	94.7	95.2	96.0	96.9	98.2	98.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 881

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700				STATION NAME: WHEELER AFB HI				PERIOD OF RECORD: APR 79 - MAR 89											
				LST TO UTC: +10				MONTH: JAN HOURS: 15-17											
CEILING		VISIBILITY IN STATUTE MILES																	
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0			
NO CEIL	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 20000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 18000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 16000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 14000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 12000	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 10000	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 9000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 8000	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 7000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 6000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 5000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 4500	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 4000	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 3500	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 3000	87.7	87.7	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 2500	91.7	91.7	91.8	92.1	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 2000	94.2	94.6	95.4	96.0	96.2	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1800	94.5	94.8	95.6	96.2	96.5	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500	95.1	95.4	96.3	96.9	97.4	97.5	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1200	95.2	95.5	96.4	97.0	97.8	97.9	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	95.3	95.6	96.5	97.2	98.0	98.2	99.0	99.3	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	95.3	95.6	96.5	97.2	98.0	98.2	99.0	99.3	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	95.3	95.6	96.5	97.2	98.0	98.2	99.0	99.3	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	95.3	95.6	96.5	97.2	98.0	98.2	99.0	99.3	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	95.3	95.6	96.5	97.2	98.0	98.2	99.0	99.4	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	95.3	95.6	96.5	97.2	98.0	98.2	99.0	99.4	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	95.3	95.6	96.5	97.2	98.0	98.2	99.0	99.4	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	95.3	95.6	96.5	97.2	98.0	98.2	99.0	99.4	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	95.3	95.6	96.5	97.2	98.0	98.2	99.0	99.4	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	95.3	95.6	96.5	97.2	98.0	98.2	99.0	99.4	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 000	95.3	95.6	96.5	97.2	98.0	98.2	99.0	99.4	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 869

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	
GE 20000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	
GE 18000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	
GE 16000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	
GE 14000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	
GE 12000	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	
GE 10000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	
GE 9000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	
GE 8000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	
GE 7000	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	
GE 6000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	
GE 5000	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	
GE 4500	69.1	69.1	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	
GE 4000	70.0	70.0	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	
GE 3500	73.8	73.9	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	
GE 3000	85.7	86.0	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	
GE 2500	91.6	91.9	92.5	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	
GE 2000	93.2	93.5	94.7	96.2	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
GE 1800	93.2	93.5	94.9	96.4	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	
GE 1500	93.7	94.0	95.3	97.0	97.9	97.9	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	
GE 1200	93.7	94.0	95.3	97.0	97.9	97.9	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	
GE 1000	93.7	94.0	95.5	97.3	98.8	98.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 900	93.7	94.0	95.5	97.3	98.8	98.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 800	93.7	94.0	95.5	97.3	98.8	98.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 700	93.7	94.0	95.5	97.3	98.8	98.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 600	93.7	94.0	95.5	97.3	98.8	98.8	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 500	93.7	94.0	95.5	97.3	98.8	98.8	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 400	93.7	94.0	95.5	97.3	98.8	98.8	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 300	93.7	94.0	95.5	97.3	98.8	98.8	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 200	93.7	94.0	95.5	97.3	98.8	98.8	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 100	93.7	94.0	95.5	97.3	98.8	98.8	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 000	93.7	94.0	95.5	97.3	98.8	98.8	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	

TOTAL NUMBER OF OBSERVATIONS 664

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700				STATION NAME: WHEELER AFB HI				PERIOD OF RECORD: APR 79 - MAR 89															
								MONTH: JAN HOURS: 21-23															
CEILING		VISIBILITY IN STATUTE MILES																					
IN FEET	FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	GE 59.7	GE 59.7	GE 59.7	GE 59.7	GE 59.7	
NO CEIL		59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 20000		60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 18000		60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 16000		60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 14000		60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 12000		60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 10000		62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 9000		63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 8000		63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 7000		63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 6000		64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 5000		65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 4500		65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 4000		68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 3500		74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 3000		85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 2500		90.6	90.9	91.9	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 2000		93.8	94.1	95.9	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800		93.8	94.1	95.9	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1500		93.8	94.1	95.9	97.2	97.8	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200		93.8	94.1	95.9	97.2	97.8	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000		94.1	94.4	96.3	97.5	98.8	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900		94.1	94.4	96.3	97.5	98.8	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800		94.1	94.4	96.3	97.5	98.8	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700		94.1	94.4	96.3	97.5	98.8	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600		94.1	94.4	96.3	97.5	98.8	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500		94.1	94.4	96.3	97.5	98.8	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400		94.1	94.4	96.3	97.5	98.8	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300		94.1	94.4	96.3	97.5	98.8	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200		94.1	94.4	96.3	97.5	98.8	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100		94.1	94.4	96.3	97.5	98.8	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 000		94.1	94.4	96.3	97.5	98.8	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 320

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 20000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 18000	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 16000	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 14000	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 12000	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 10000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 9000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 8000	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 7000	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 6000	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 5000	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 4500	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 4000	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 3500	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 3000	86.0	86.2	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 2500	90.5	90.7	91.3	91.6	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 2000	93.6	93.9	95.1	95.8	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1800	93.8	94.1	95.3	96.1	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1500	94.2	94.6	95.9	96.8	97.5	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
GE 1200	94.5	94.9	96.1	97.0	97.9	98.0	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	94.6	95.0	96.3	97.2	98.4	98.5	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6
GE 900	94.6	95.0	96.3	97.2	98.4	98.5	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6
GE 800	94.6	95.0	96.3	97.2	98.4	98.5	99.1	99.3	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 700	94.6	95.0	96.3	97.3	98.4	98.5	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7
GE 600	94.6	95.0	96.3	97.3	98.4	98.5	99.2	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.8
GE 500	94.6	95.0	96.3	97.3	98.4	98.5	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 400	94.6	95.0	96.3	97.3	98.4	98.5	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 300	94.6	95.0	96.3	97.3	98.4	98.5	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 200	94.6	95.0	96.3	97.3	98.4	98.5	99.2	99.5	99.5	99.7	99.8	99.8	99.9	99.9	99.9	100.0
GE 100	94.6	95.0	96.3	97.3	98.4	98.5	99.2	99.5	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0
GE 000	94.6	95.0	96.3	97.3	98.4	98.5	99.2	99.5	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4499

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700				STATION NAME: WHEELER AFB HI				PERIOD OF RECORD: APR 79 - MAR 89											
				LST TO UTC: +10				MONTH: FEB HOURS: 03-05											
CEILING IN FEET	VISIBILITY IN STATUTE MILES																		
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0			
NO CEIL	69.5	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	
GE 20000	69.5	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	
GE 18000	69.5	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	
GE 16000	69.5	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	
GE 14000	69.5	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	
GE 12000	69.5	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	
GE 10000	70.3	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	
GE 9000	70.3	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	
GE 8000	72.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	
GE 7000	72.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	
GE 6000	72.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	
GE 5000	72.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	
GE 4500	73.7	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	
GE 4000	73.7	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	
GE 3500	76.3	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	
GE 3000	82.2	83.1	83.1	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	
GE 2500	89.0	89.8	89.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	
GE 2000	91.5	92.4	94.9	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	
GE 1800	91.5	92.4	94.9	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	
GE 1500	92.4	93.2	95.8	97.5	97.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 1200	92.4	93.2	95.8	97.5	97.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 1000	92.4	93.2	95.8	97.5	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 900	92.4	93.2	95.8	97.5	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 800	92.4	93.2	95.8	97.5	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 700	92.4	93.2	95.8	97.5	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 600	92.4	93.2	95.8	97.5	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 500	92.4	93.2	95.8	97.5	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	92.4	93.2	95.8	97.5	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	92.4	93.2	95.8	97.5	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	92.4	93.2	95.8	97.5	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	92.4	93.2	95.8	97.5	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 000	92.4	93.2	95.8	97.5	97.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 118

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	
GE 20000	62.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	
GE 18000	62.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	
GE 16000	62.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	
GE 14000	63.1	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	
GE 12000	63.1	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	
GE 10000	64.5	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	
GE 9000	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	
GE 8000	66.6	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	
GE 7000	67.4	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	
GE 6000	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	
GE 5000	68.4	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	
GE 4500	70.0	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	
GE 4000	72.5	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
GE 3500	76.1	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	
GE 3000	86.0	86.3	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	
GE 2500	90.1	90.3	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	
GE 2000	93.4	94.2	95.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
GE 1800	93.4	94.2	95.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
GE 1500	94.1	94.9	96.7	97.8	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 1200	94.3	95.2	97.1	98.2	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
GE 1000	94.5	95.3	97.2	98.3	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 900	94.5	95.3	97.2	98.3	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 800	94.5	95.3	97.2	98.3	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 700	94.5	95.3	97.2	98.3	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 600	94.5	95.3	97.2	98.3	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 500	94.5	95.3	97.2	98.3	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	94.5	95.3	97.2	98.3	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	94.5	95.3	97.2	98.3	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	94.5	95.3	97.2	98.3	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	94.5	95.3	97.2	98.3	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 000	94.5	95.3	97.2	98.3	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 724

D- 2 - 10

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700		STATION NAME: WHEELER AFB HI		PERIOD OF RECORD: APR 79 - MAR 89															
		LST TO UTC: +10		MONTH: FEB HOURS: 09-11															
CEILING IN FEET	VISIBILITY IN STATUTE MILES																		
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0			
NO CEIL	57.3	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	
GE 20000	60.2	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	
GE 18000	60.2	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	
GE 16000	60.2	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	
GE 14000	60.4	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	
GE 12000	60.8	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	
GE 10000	61.9	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	
GE 9000	62.7	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	
GE 8000	64.2	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	
GE 7000	65.0	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	
GE 6000	65.4	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	
GE 5000	66.9	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	
GE 4500	69.3	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	
GE 4000	71.0	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	
GE 3500	76.2	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	
GE 3000	85.8	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	
GE 2500	89.5	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	
GE 2000	94.3	94.9	95.8	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1800	94.6	95.5	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1500	94.9	95.7	97.1	97.5	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	95.2	96.1	97.5	98.3	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	95.2	96.1	97.5	98.3	99.0	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	95.2	96.1	97.5	98.3	99.0	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	95.4	96.2	97.6	98.5	99.2	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 700	95.4	96.2	97.6	98.5	99.2	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 600	95.4	96.2	97.6	98.5	99.2	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 500	95.4	96.2	97.6	98.5	99.2	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 400	95.4	96.2	97.6	98.5	99.2	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	95.4	96.2	97.6	98.5	99.2	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	95.4	96.2	97.6	98.5	99.2	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	95.4	96.2	97.6	98.5	99.2	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	95.4	96.2	97.6	98.5	99.2	99.3	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 840

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	
GE 20000	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	
GE 18000	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	
GE 16000	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	
GE 14000	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	
GE 12000	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	
GE 10000	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	
GE 9000	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	
GE 8000	57.3	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	
GE 7000	57.8	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	
GE 6000	58.5	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	
GE 5000	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	
CE 4500	62.7	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	
GE 4000	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	
GE 3500	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	
GE 3000	86.4	86.9	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	
GE 2500	91.0	91.8	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	
GE 2000	95.1	95.9	96.1	96.3	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
GE 1800	95.6	96.4	96.5	96.8	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	
GE 1500	96.5	97.4	97.5	97.7	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
GE 1200	96.9	97.7	98.0	98.2	98.9	98.9	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
GE 1000	97.0	97.8	98.1	98.4	99.3	99.3	99.5	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	
GE 900	97.0	97.8	98.1	98.4	99.3	99.3	99.5	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	
GE 800	97.0	97.8	98.1	98.4	99.3	99.3	99.5	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	
GE 700	97.0	97.8	98.1	98.4	99.3	99.3	99.5	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	
GE 600	97.0	97.8	98.1	98.4	99.3	99.3	99.5	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	
GE 500	97.0	97.8	98.1	98.4	99.3	99.3	99.5	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	97.0	97.8	98.1	98.4	99.3	99.3	99.5	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	97.0	97.8	98.1	98.4	99.3	99.3	99.5	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	97.0	97.8	98.1	98.4	99.3	99.3	99.5	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	97.0	97.8	98.1	98.4	99.3	99.3	99.5	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 000	97.0	97.8	98.1	98.4	99.3	99.3	99.5	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 837

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700		STATION NAME: WHEELER AFB HI		PERIOD OF RECORD: APR 79 - MAR 89																		
		LST TO UTC: +10		MONTH: FEB HOURS: 15-17																		
CEILING		VISIBILITY IN STATUTE MILES																				
IN	FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0					
NO CEIL		52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 20000		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 18000		55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 16000		55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 14000		55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 12000		55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 10000		57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 9000		57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 8000		58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 7000		59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 6000		60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 5000		61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 4500		64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 4000		66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 3500		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
E 3000		87.9	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 2500		92.3	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 2000		96.1	96.5	97.3	97.5	97.6	97.6	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1800		96.5	96.9	97.7	97.8	97.9	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500		97.3	97.8	98.7	98.8	99.0	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200		97.5	97.9	98.8	98.9	99.2	99.2	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000		97.6	98.1	98.9	99.0	99.3	99.3	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		97.6	98.1	98.9	99.0	99.3	99.3	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		97.6	98.1	98.9	99.0	99.3	99.3	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		97.6	98.1	98.9	99.0	99.3	99.3	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		97.6	98.1	98.9	99.0	99.3	99.3	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		97.6	98.1	98.9	99.0	99.3	99.3	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		97.6	98.1	98.9	99.0	99.3	99.3	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		97.6	98.1	98.9	99.0	99.3	99.3	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		97.6	98.1	98.9	99.0	99.3	99.3	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		97.6	98.1	98.9	99.0	99.3	99.3	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		97.6	98.1	98.9	99.0	99.3	99.3	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 829

OPERATING LOCATION "A"  
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	
GE 20000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	
GE 18000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	
GE 16000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	
GE 14000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	
GE 12000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	
GE 10000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	
GE 9000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	
GE 8000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	
GE 7000	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	
GE 6000	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	
GE 5000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	
GE 4500	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	
GE 4000	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	
GE 3500	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	
GE 3000	87.0	87.2	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	
GE 2500	91.5	91.6	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	
GE 2000	94.6	95.1	96.2	96.8	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	
GE 1800	95.1	95.6	96.7	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	
GE 1500	95.6	96.4	97.6	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
GE 1200	96.0	96.8	98.1	98.7	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 1000	96.2	97.0	98.3	98.9	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 900	96.2	97.0	98.3	98.9	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 800	96.2	97.0	98.3	98.9	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 700	96.2	97.0	98.3	98.9	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 600	96.2	97.0	98.3	98.9	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 500	96.2	97.0	98.3	98.9	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 400	96.2	97.0	98.3	98.9	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 300	96.2	97.0	98.3	98.9	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 200	96.2	97.0	98.3	98.9	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 100	96.2	97.0	98.3	98.9	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 000	96.2	97.0	98.3	98.9	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	

TOTAL NUMBER OF OBSERVATIONS 632

OPERATING LOCATION "A"  
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	
GE 20000	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	
GE 18000	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	
GE 16000	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	
GE 14000	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	
GE 12000	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	
GE 10000	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	
GE 9000	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	
GE 8000	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	
GE 7000	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	
GE 6000	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	
GE 5000	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	
GE 4500	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	
GE 4000	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	
GE 3500	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	
GE 3000	89.8	90.1	90.5	90.8	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	
GE 2500	91.8	92.1	92.4	92.8	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	
GE 2000	93.8	95.4	96.4	96.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	
GE 1800	94.1	95.7	96.7	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	
GE 1500	94.4	96.1	97.0	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.4	98.4	98.4	
GE 1200	94.4	96.4	97.4	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	
GE 1000	94.4	96.7	97.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	
GE 900	94.4	96.7	97.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	
GE 800	94.4	96.7	97.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	
GE 700	94.4	96.7	97.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	
GE 600	94.4	96.7	97.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	
GE 500	94.4	96.7	97.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	
GE 400	94.4	96.7	97.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	
GE 300	94.4	96.7	97.7	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	
GE 200	94.4	96.7	97.7	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	
GE 100	94.4	96.7	97.7	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	
GE 000	94.4	96.7	97.7	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 304

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 20000	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 18000	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 16000	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 14000	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 12000	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 10000	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 9000	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 8000	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 7000	63.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 6000	64.2	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 5000	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 4500	67.4	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 4000	69.1	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 3500	74.0	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 3000	86.7	87.1	87.3	87.4	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 2500	90.9	91.3	91.8	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 2000	94.6	95.3	96.1	96.6	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1800	94.9	95.7	96.5	97.0	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1500	95.5	96.4	97.5	97.9	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1200	95.8	96.7	97.8	98.4	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	95.9	96.8	97.9	98.5	99.2	99.3	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
GE 900	95.9	96.8	97.9	98.5	99.2	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 800	95.9	96.8	97.9	98.6	99.3	99.3	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 700	95.9	96.8	97.9	98.6	99.3	99.3	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 600	95.9	96.8	97.9	98.6	99.3	99.3	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 500	95.9	96.8	97.9	98.6	99.3	99.3	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	95.9	96.8	97.9	98.6	99.3	99.3	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	95.9	96.8	97.9	98.6	99.3	99.3	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	95.9	96.8	97.9	98.6	99.3	99.3	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	95.9	96.8	97.9	98.6	99.3	99.3	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	95.9	96.8	97.9	98.6	99.3	99.3	99.6	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4284

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700				STATION NAME: WHEELER AFB HI				PERIOD OF RECORD: APR 79 - MAR 89														
				LST TO UTC: +10				MONTH: MAR HOURS: 03-05														
CEILING		VISIBILITY IN STATUTE MILES																				
IN	FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0					
NO CEIL		60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 20000		61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 18000		61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 16000		61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 14000		61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 12000		62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 10000		62.1	62.1	6.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 9000		62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 8000		62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 7000		63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 6000		63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 5000		63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 4500		68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 4000		71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 3500		73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 3000		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 2500		91.7	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 2000		94.7	96.2	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1800		94.7	96.2	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1500		96.2	97.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200		96.2	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000		96.2	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		96.2	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		96.2	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		96.2	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		96.2	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		96.2	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		96.2	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		96.2	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		96.2	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		96.2	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		96.2	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 132

OPERATING LOCATION "A"  
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 20000	60.8	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 18000	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 16000	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 14000	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 12000	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 10000	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 9000	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 8000	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 7000	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 6000	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 5000	66.3	66.3	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 4500	69.2	69.2	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 4000	71.8	71.8	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 3500	75.2	75.2	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 3000	89.2	89.2	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 2500	94.0	94.3	95.0	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2000	96.0	96.3	97.1	97.4	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1800	96.1	96.4	97.3	97.5	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1500	97.1	97.6	98.5	98.9	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	97.1	97.6	98.6	99.0	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	97.1	97.6	98.6	99.0	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	97.1	97.6	98.6	99.0	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	97.1	97.6	98.6	99.0	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	97.1	97.6	98.6	99.0	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.1	97.6	98.6	99.0	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.1	97.6	98.6	99.0	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.1	97.6	98.6	99.0	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.1	97.6	98.6	99.0	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.1	97.6	98.6	99.0	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.1	97.6	98.6	99.0	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.1	97.6	98.6	99.0	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 802

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LSI 10 UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	
GE 20000	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	
GE 18000	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	
GE 16000	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	
GE 14000	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	
GE 12000	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	
GE 10000	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	
GE 9000	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	
GE 8000	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	
GE 7000	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	
GE 6000	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	
GE 5000	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	
GE 4500	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	
GE 4000	69.0	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	
GE 3500	74.6	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	
GE 3000	88.7	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	
GE 2500	93.9	94.6	95.3	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	
GE 2000	96.3	97.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE 1800	96.4	97.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	
GE 1500	97.1	97.9	98.9	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 1200	97.1	97.9	98.9	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 1000	97.2	98.2	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 900	97.2	98.2	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 800	97.2	98.2	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 700	97.2	98.2	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 600	97.2	98.2	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 500	97.2	98.2	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	97.2	98.2	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	97.2	98.2	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	97.2	98.2	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	97.2	98.2	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
GE 000	97.2	98.2	99.1	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 924

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 20000	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 18000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 16000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 14000	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 12000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 10000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 9000	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 8000	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 7000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 6000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 5000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 4500	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 4000	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 3500	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 3000	88.5	88.7	89.0	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 2500	92.3	92.7	93.3	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 2000	95.7	96.3	97.2	97.3	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1800	95.7	96.3	97.2	97.3	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	96.4	97.2	98.2	98.4	98.6	98.7	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	96.4	97.2	98.2	98.4	98.7	98.9	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	96.5	97.3	98.3	98.5	98.8	99.0	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	96.5	97.3	98.3	98.5	98.8	99.0	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	96.5	97.3	98.3	98.5	98.8	99.0	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	96.5	97.3	98.3	98.5	98.8	99.0	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	96.5	97.3	98.3	98.5	98.8	99.0	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	96.5	97.3	98.3	98.5	98.8	99.0	99.5	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.5	97.3	98.3	98.5	98.8	99.0	99.5	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.5	97.3	98.3	98.5	98.8	99.0	99.5	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.5	97.3	98.3	98.5	98.8	99.0	99.5	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.5	97.3	98.3	98.5	98.8	99.0	99.5	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.5	97.3	98.3	98.5	98.8	99.0	99.5	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 924

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700				STATION NAME: WHEELER AFB HI				PERIOD OF RECORD: APR 79 - MAR 89														
								MONTH: MAR HOURS: 15-17														
CEILING		VISIBILITY IN STATUTE MILES																				
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0						
NO CEIL	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 20000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 18000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 16000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 14000	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 12000	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 10000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 9000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 8000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 7000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 6000	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 5000	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 4500	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 4000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 3500	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 3000	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 2500	91.9	92.2	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 2000	95.0	95.6	96.0	96.3	96.4	96.4	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1800	95.3	96.0	96.3	96.6	96.9	96.9	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500	95.7	96.5	96.9	97.4	98.0	98.1	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	95.7	96.5	96.9	97.4	98.5	98.6	99.0	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	95.7	96.5	96.9	97.4	98.6	98.7	99.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	95.7	96.5	96.9	97.4	98.6	98.7	99.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	95.7	96.5	96.9	97.4	98.6	98.7	99.2	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	95.7	96.5	96.9	97.4	98.6	98.7	99.2	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	95.7	96.5	96.9	97.4	98.6	98.7	99.2	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	95.7	96.5	96.9	97.4	98.6	98.7	99.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	95.7	96.5	96.9	97.4	98.6	98.7	99.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	95.7	96.5	96.9	97.4	98.6	98.7	99.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	95.7	96.5	96.9	97.4	98.6	98.7	99.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	95.7	96.5	96.9	97.4	98.6	98.7	99.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 000	95.7	96.5	96.9	97.4	98.6	98.7	99.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 914

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 20000	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 18000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 16000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 14000	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 12000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 10000	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 9000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 8000	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 7000	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 6000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 5000	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 4500	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 4000	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 3500	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 3000	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 2500	92.2	92.3	92.3	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 2000	95.5	95.8	96.2	96.4	96.5	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1800	96.0	96.2	96.8	96.9	97.1	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1500	96.5	96.9	97.5	97.8	98.1	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	96.7	97.1	97.6	97.9	98.3	98.5	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	96.7	97.1	97.6	97.9	98.3	98.5	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	96.7	97.1	97.6	97.9	98.3	98.5	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	96.7	97.1	97.6	97.9	98.3	98.5	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	96.7	97.1	97.6	97.9	98.3	98.5	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	96.7	97.1	97.6	97.9	98.3	98.5	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	96.7	97.1	97.6	97.9	98.3	98.5	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.7	97.1	97.6	97.9	98.3	98.5	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.7	97.1	97.6	97.9	98.3	98.5	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.7	97.1	97.6	97.9	98.3	98.5	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.7	97.1	97.6	97.9	98.3	98.5	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.7	97.1	97.6	97.9	98.3	98.5	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 718

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI

LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89

MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 20000	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 18000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 16000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 14000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 12000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 10000	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 9000	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 8000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 7000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 6000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 5000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 4500	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 4000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 3500	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 3000	86.9	86.9	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 2500	94.3	95.4	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2000	96.6	97.7	98.0	98.3	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800	97.2	98.3	98.6	98.9	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	97.2	98.3	98.6	98.9	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	97.2	98.3	98.6	98.9	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	97.2	98.3	98.6	98.9	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	97.2	98.3	98.6	98.9	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	97.2	98.3	98.6	98.9	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	97.2	98.3	98.6	98.9	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.2	98.3	98.6	98.9	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.2	98.3	98.6	98.9	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.2	98.3	98.6	98.9	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.2	98.3	98.6	98.9	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.2	98.3	98.6	98.9	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.2	98.3	98.6	98.9	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.2	98.3	98.6	98.9	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 351

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 20000	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 18000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 16000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 14000	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 12000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 10000	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 9000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 8000	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 7000	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 6000	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 5000	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 4500	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 4000	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 3500	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 3000	87.7	87.8	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 2500	92.9	93.4	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 2000	95.7	96.4	97.0	97.2	97.4	97.4	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800	95.9	96.6	97.3	97.5	97.6	97.7	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1500	96.6	97.3	98.1	98.4	98.7	98.8	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	96.6	97.4	98.2	98.4	98.9	99.0	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	96.7	97.4	98.2	98.5	99.0	99.2	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	96.7	97.4	98.2	98.5	99.0	99.2	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	96.7	97.4	98.2	98.5	99.0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	96.7	97.4	98.2	98.5	99.0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	96.7	97.4	98.2	98.5	99.0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	96.7	97.4	98.2	98.5	99.0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.7	97.4	98.2	98.5	99.0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.7	97.4	98.2	98.5	99.0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.7	97.4	98.2	98.5	99.0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.7	97.4	98.2	98.5	99.0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.7	97.4	98.2	98.5	99.0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4765

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	51.9	51.9	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	
GE 20000	53.7	53.7	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	
GE 18000	53.7	53.7	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	
GE 16000	53.7	53.7	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	
GE 14000	53.7	53.7	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	
GE 12000	54.6	54.6	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	
GE 10000	54.6	54.6	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	
GE 9000	54.6	54.6	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	
GE 8000	54.6	54.6	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	
GE 7000	54.6	54.6	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	
GE 6000	56.5	56.5	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	
GE 5000	58.3	58.3	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	
GE 4500	58.3	58.3	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	
GE 4000	58.3	58.3	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	
GE 3500	60.2	60.2	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	
GE 3000	75.0	75.0	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	
GE 2500	85.2	86.1	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	
GE 2000	93.5	94.4	98.1	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	93.5	94.4	98.1	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500	93.5	94.4	98.1	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	93.5	94.4	98.1	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	93.5	95.4	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 900	93.5	95.4	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 800	93.5	95.4	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 700	93.5	95.4	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 600	93.5	95.4	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 500	93.5	95.4	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	93.5	95.4	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	93.5	95.4	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	93.5	95.4	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	93.5	95.4	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 000	93.5	95.4	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 108

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 20000	55.4	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 18000	55.5	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 16000	55.6	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 14000	56.2	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 12000	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 10000	58.6	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 9000	58.7	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 8000	60.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 7000	60.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 6000	60.3	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 5000	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 4500	62.6	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 4000	64.1	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 3500	68.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 3000	80.5	81.2	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 2500	89.4	90.0	90.3	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 2000	94.1	95.1	95.6	96.7	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1800	94.5	95.6	96.3	97.4	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1500	95.0	96.3	97.3	98.5	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	95.0	96.3	97.3	98.5	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	95.1	96.4	97.6	99.0	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	95.1	96.4	97.6	99.0	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	95.1	96.4	97.6	99.0	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	95.1	96.4	97.6	99.0	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	95.1	96.4	97.6	99.0	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	95.1	96.4	97.6	99.0	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	95.1	96.4	97.6	99.0	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	95.1	96.4	97.6	99.0	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	95.1	96.4	97.6	99.0	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.1	96.4	97.6	99.0	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	95.1	96.4	97.6	99.0	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 780

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 20000	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 18000	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 16000	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 14000	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 12000	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 10000	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 9000	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 8000	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 7000	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 6000	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 5000	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 4500	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 4000	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 3500	68.5	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 3000	84.3	84.6	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 2500	89.9	90.3	91.2	91.6	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 2000	93.6	94.6	96.1	96.6	97.1	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800	94.0	95.2	96.6	97.2	97.6	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1500	94.5	95.7	97.4	98.3	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	94.5	95.7	97.5	98.4	99.0	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	94.5	95.7	97.5	98.4	99.0	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	94.5	95.7	97.5	98.4	99.0	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	94.6	95.8	97.6	98.6	99.2	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	94.6	95.8	97.6	98.6	99.2	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	94.6	95.8	97.6	98.6	99.2	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	94.6	95.8	97.6	98.6	99.2	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	94.6	95.8	97.6	98.6	99.2	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.6	95.8	97.6	98.6	99.2	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.6	95.8	97.6	98.6	99.2	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.6	95.8	97.6	98.6	99.2	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.6	95.8	97.6	98.6	99.2	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 888

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	
GE 2000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	
GE 18000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	
GE 16000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	
GE 14000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	
GE 12000	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	
GE 10000	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	
GE 9000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	
GE 8000	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	
GE 7000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	
GE 6000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	
GE 5000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	
GE 4500	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	
GE 4000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	
GE 3500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	
GE 3000	87.4	87.4	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	
GE 2500	93.6	93.8	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	
GE 2000	96.0	96.5	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE 1800	96.4	97.0	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
GE 1500	96.5	97.1	98.5	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 1200	96.6	97.4	98.9	99.3	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 1000	96.7	97.5	99.0	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 900	96.7	97.5	99.0	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 800	96.7	97.5	99.0	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 700	96.7	97.5	99.0	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 600	96.7	97.5	99.0	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 500	96.7	97.5	99.0	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	96.7	97.5	99.0	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	96.7	97.5	99.0	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	96.7	97.5	99.0	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	96.7	97.5	99.0	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 000	96.7	97.5	99.0	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 889

OPERATING LOCATION "A"  
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 20000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 18000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 16000	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 14000	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 12000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
GE 10000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 9000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 8000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 7000	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 6000	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 5000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 4500	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 4000	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 3500	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 3000	88.7	89.1	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
QE 2500	94.2	94.6	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 2000	96.0	96.5	97.3	97.5	97.6	97.8	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	96.0	96.5	97.3	97.5	97.8	97.9	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	96.1	96.7	97.5	97.9	98.1	98.2	98.4	98.8	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.0
GE 1200	96.1	96.7	97.6	98.0	98.2	98.3	98.7	99.0	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.3
GE 1000	96.1	96.7	97.8	98.1	98.3	98.4	98.8	99.2	99.2	99.4	99.6	99.6	99.7	99.7	99.7	99.7
GE 900	96.2	96.9	97.9	98.2	98.4	98.5	98.9	99.3	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 800	96.2	96.9	97.9	98.2	98.4	98.5	98.9	99.3	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 700	96.2	96.9	97.9	98.2	98.5	98.7	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9
GE 600	96.2	96.9	97.9	98.2	98.5	98.7	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9
GE 500	96.2	96.9	97.9	98.2	98.5	98.7	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9
GE 400	96.2	96.9	97.9	98.3	98.7	98.8	99.1	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	96.2	96.9	97.9	98.3	98.7	98.8	99.1	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	96.2	96.9	97.9	98.3	98.7	98.8	99.1	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	96.2	96.9	97.9	98.3	98.7	98.8	99.1	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	96.2	96.9	97.9	98.3	98.7	98.8	99.1	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 891

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 20000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 18000	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 16000	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 14000	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 12000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
GE 10000	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 9000	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 8000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 7000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 6000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 5000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 4500	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 4000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 3500	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 3000	84.2	84.4	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 2500	89.3	89.7	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 2000	93.9	94.6	96.4	97.1	97.5	97.6	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1800	94.1	94.8	96.7	97.5	98.0	98.0	98.2	98.3	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	94.3	95.3	97.1	98.0	98.6	98.6	98.7	98.9	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	94.3	95.3	97.2	98.2	98.7	98.7	98.9	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	94.4	95.4	97.1	98.5	99.0	99.0	99.2	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	94.4	95.4	97.5	98.5	99.0	99.0	99.2	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	94.4	95.4	97.5	98.5	99.0	99.0	99.2	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	94.4	95.4	97.5	98.5	99.0	99.0	99.2	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	94.4	95.4	97.5	98.7	99.3	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	94.4	95.4	97.5	98.7	99.3	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	94.4	95.4	97.5	98.7	99.3	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.4	95.4	97.5	98.7	99.3	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.4	95.4	97.5	98.7	99.3	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.4	95.4	97.5	98.7	99.3	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.4	95.4	97.5	98.7	99.3	99.3	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 717

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 20000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 18000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 16000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 14000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 12000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 10000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 9000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 8000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 7000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 6000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 5000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 4500	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 4000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 3500	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 3000	80.9	81.5	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 2500	87.7	88.3	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 2000	93.2	94.0	97.5	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1800	93.2	94.0	97.5	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	93.7	94.6	98.1	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	93.7	94.6	98.1	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	93.7	94.6	98.4	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	93.7	94.6	98.4	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	93.7	94.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	93.7	94.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	93.7	94.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	93.7	94.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	93.7	94.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	93.7	94.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	93.7	94.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.7	94.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.7	94.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 367

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 11700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	46.6	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	
GE 20000	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	
GE 18000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	
GE 16000	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	
GE 14000	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	
GE 12000	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	
GE 10000	53.7	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	
GE 9000	54.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	
GE 8000	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	
GE 7000	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	
GE 6000	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	
GE 5000	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	
GE 4500	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	
GE 4000	59.8	59.9	0.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
GE 3500	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	
GE 3000	84.6	84.9	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	
GE 2500	90.9	91.4	92.3	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	
GE 2000	94.6	95.4	96.8	97.3	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	
GE 1800	94.9	95.7	97.1	97.7	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	
GE 1500	95.2	96.1	97.7	98.4	98.8	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
GE 1200	95.2	96.1	97.8	98.5	99.0	99.1	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 1000	95.2	96.2	98.0	98.7	99.2	99.3	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 900	95.3	96.3	98.0	98.8	99.2	99.3	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 800	95.3	96.3	98.0	98.8	99.3	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 700	95.3	96.3	98.0	98.8	99.3	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 600	95.3	96.3	98.0	98.9	99.3	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 500	95.3	96.3	98.0	98.9	99.3	99.4	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	95.3	96.3	98.0	98.9	99.4	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	95.3	96.3	98.0	98.9	99.4	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	95.3	96.3	98.0	98.9	99.4	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	95.3	96.3	98.0	98.9	99.4	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 000	95.3	96.3	98.0	98.9	99.4	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 4640

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700				STATION NAME: WHEELER AFB HI				PERIOD OF RECORD: APR 79 - MAR 89											
				LST TO UTC: +10				MONTH: MAY HOURS: 03-05											
CEILING		VISIBILITY IN STATUTE MILES																	
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	GE 0	GE 0	GE 0
NO CEIL	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 20000	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 18000	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 16000	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 14000	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	50.6
GE 12000	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	80.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 10000	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 9000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 8000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 7000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 6000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 5000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 4500	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 4000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 3500	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 3000	80.7	80.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 2500	93.6	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 2000	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 109

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 20000	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 18000	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 16000	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 14000	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 12000	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 10000	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 9000	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 8000	64.0	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 7000	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 6000	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 5000	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 4500	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 4000	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 3500	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 3000	86.2	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 2500	92.9	93.4	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 2000	95.9	96.6	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	96.2	97.1	99.0	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	96.4	97.2	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	96.4	97.2	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	96.4	97.2	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	96.4	97.2	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	96.4	97.2	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0
GE 700	96.4	97.2	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0
GE 600	96.4	97.2	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0
GE 500	96.4	97.2	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0
GE 400	96.4	97.2	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0
GE 300	96.4	97.2	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	96.4	97.2	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	96.4	97.2	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	96.4	97.2	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 798

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.7	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 20000	54.7	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 18000	54.8	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 16000	55.4	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 14000	55.7	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 12000	56.0	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 10000	58.0	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 9000	58.2	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 8000	60.2	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 7000	60.8	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 6000	61.5	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 5000	62.9	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 4500	63.8	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 4000	66.2	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 3500	73.2	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 3000	91.2	91.7	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 2500	95.4	96.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 2000	97.3	98.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	97.4	98.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	97.4	98.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	97.4	98.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	97.4	98.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
GE 900	97.4	98.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
GE 800	97.4	98.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
GE 700	97.4	98.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
GE 600	97.4	98.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
GE 500	97.4	98.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
GE 400	97.4	98.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
GE 300	97.4	98.3	99.5	99.6	99.8	9.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	97.4	98.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	97.4	98.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	97.4	98.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 921

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	
GE 20000	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	
GE 18000	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	
GE 16000	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	
GE 14000	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	
GE 12000	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	
GE 10000	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	
GE 9000	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	
GE 8000	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	
GE 7000	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	
GE 6000	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	
GE 5000	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	
GE 4500	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	
GE 4000	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	
GE 3500	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	
GE 3000	91.8	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	
GE 2500	96.0	96.3	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
GE 2000	97.9	98.4	99.1	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	97.9	98.4	99.1	99.3	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	97.9	98.4	99.1	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	98.0	98.5	99.2	99.5	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.0	98.5	99.2	99.5	99.5	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.0	98.5	99.2	99.5	99.5	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.0	98.5	99.2	99.5	99.5	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.0	98.5	99.2	99.5	99.5	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.0	98.5	99.2	99.5	99.5	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.0	98.5	99.2	99.5	99.5	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.0	98.5	99.2	99.5	99.5	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.0	98.5	99.2	99.5	99.5	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.0	98.5	99.2	99.5	99.5	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.0	98.5	99.2	99.5	99.5	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.0	98.5	99.2	99.5	99.5	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 917

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700		STATION NAME: WHEELER AFB HI								PERIOD OF RECORD: APR 79 - MAR 89												
		LST TO UTC: +10								MONTH: MAY HOURS: 15-17												
CEILING		VISIBILITY IN STATUTE MILES																				
IN	FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	GE	GE	GE	GE	GE
NO CEIL		47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 20000		52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 18000		52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 16000		52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 14000		53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 12000		53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 10000		54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 9000		54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 8000		55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 7000		55.5	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 6000		55.8	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 5000		57.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 4500		58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 4000		60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 3500		65.9	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 3000		90.4	91.1	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 2500		94.7	95.4	96.2	96.2	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 2000		96.4	97.1	98.1	98.4	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800		96.4	97.1	98.2	98.5	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500		96.7	97.5	98.6	98.8	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200		95.7	97.5	98.6	98.8	99.2	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000		96.7	97.5	98.6	98.8	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		96.7	97.5	98.6	98.8	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		96.7	97.5	98.6	98.8	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		96.7	97.5	98.6	98.8	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		96.7	97.5	98.6	98.8	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		96.7	97.5	98.6	98.8	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		96.7	97.5	98.6	98.8	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		96.7	97.5	98.6	98.8	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		96.7	97.5	98.6	98.8	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		96.7	97.5	98.6	98.8	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		96.7	97.5	98.6	98.8	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 910

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LS1 TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.5	8.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 20000	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 18000	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 16000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
GE 14000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 12000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 10000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 9000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 8000	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 7000	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 6000	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 5000	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 4500	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 4000	63.6	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 3500	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 3000	89.0	89.1	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 2500	94.1	94.5	95.0	95.9	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2000	96.1	97.1	97.9	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	96.3	97.2	98.1	98.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1500	96.4	97.5	98.3	99.2	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	96.6	97.7	98.5	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	96.6	97.7	98.5	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	96.6	97.7	98.5	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	96.6	97.7	98.5	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	96.6	97.7	98.5	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	96.6	97.7	98.5	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	96.6	97.7	98.5	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.6	97.7	98.5	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.6	97.7	98.5	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.6	97.7	98.5	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.6	97.7	98.5	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.6	97.7	98.5	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 726

OPERATING LOCATION "A"  
USAFETAC ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 20000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 18000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 16000	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 14000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 12000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 10000	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 9000	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 8000	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 7000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 6000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 5000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 4500	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 4000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 3500	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 3000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 2500	96.5	96.5	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 2000	97.8	97.8	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800	98.4	98.4	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	98.4	98.4	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.6	98.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 370

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	
GE 20000	55.5	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	
GE 18000	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	
GE 16000	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	
GE 14000	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	
GE 12000	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	
GE 10000	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	
GE 9000	58.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	
GE 8000	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	
GE 7000	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	
GE 6000	60.8	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	
GE 5000	61.8	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	
GE 4500	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	
GE 4000	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	
GE 3500	71.4	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	
GE 3000	89.8	90.1	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	
GE 2500	94.8	95.3	96.1	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
GE 2000	96.9	97.6	98.7	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 1800	97.0	97.7	98.9	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 1500	97.1	97.9	99.0	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 1200	97.2	97.9	99.1	99.3	99.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 1000	97.2	97.9	99.1	99.3	99.6	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 900	97.2	97.9	99.1	99.3	99.6	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 800	97.2	97.9	99.1	99.3	99.6	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 700	97.2	97.9	99.1	99.3	99.6	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 600	97.2	97.9	99.1	99.3	99.6	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 500	97.2	97.9	99.1	99.3	99.6	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	97.2	97.9	99.1	99.3	99.6	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	97.2	97.9	99.1	99.3	99.6	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	97.2	97.9	99.1	99.3	99.6	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	97.2	97.9	99.1	99.3	99.6	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 000	97.2	97.9	99.1	99.3	99.6	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 4751

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 20000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 18000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 16000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 14000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 12000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 10000	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 9000	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 8000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 7000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 6000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 5000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 4500	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 4000	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 3500	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 3000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 2500	90.6	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 2000	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 106

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER ATB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 20000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 18000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 16000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 14000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 12000	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 10000	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 9000	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 8000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 7000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 6000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 5000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 4500	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 4000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 3500	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 3000	87.6	87.8	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 2500	92.3	92.9	93.8	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 2000	97.1	98.1	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	97.1	98.1	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	97.1	98.2	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	97.1	98.2	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	97.1	98.2	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	97.1	98.2	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	97.1	98.2	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	97.1	98.2	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.1	98.2	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.1	98.2	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.1	98.2	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.1	98.2	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.1	98.2	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.1	98.2	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.1	98.2	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 790

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 20000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 18000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 16000	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 14000	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 12000	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 10000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 9000	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 8000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 7000	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 6000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 5000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 4500	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 4000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 3500	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 3000	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 2500	96.6	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2000	98.2	98.9	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	98.2	98.9	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	98.2	98.9	99.6	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.2	98.9	99.6	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.2	98.9	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.2	98.9	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.2	98.9	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.2	98.9	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.2	98.9	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.2	98.9	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.2	98.9	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.2	98.9	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.2	98.9	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.2	98.9	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.2	98.9	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	
GE 20000	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	
GE 18000	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	
GE 16000	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	
GE 14000	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	
GE 12000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	
GE 10000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	
GE 9000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	
GE 8000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	
GE 7000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	
GE 6000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	
GE 5000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	
GE 4500	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	
GE 4000	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	
GE 3500	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	
GE 3000	90.4	90.7	90.7	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	
GE 2500	96.9	97.3	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	
GE 2000	97.8	98.2	98.7	98.8	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 1800	98.0	98.4	98.9	99.0	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 1500	98.0	98.4	99.1	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 1200	98.0	98.4	99.1	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 1000	98.0	98.4	99.1	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 900	98.0	98.4	99.1	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 800	98.0	98.4	99.1	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 700	98.0	98.4	99.1	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 600	98.0	98.4	99.1	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 500	98.0	98.4	99.1	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	98.0	98.4	99.1	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	98.0	98.4	99.1	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	98.0	98.4	99.1	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	98.0	98.4	99.1	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 000	98.0	98.4	99.1	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 899

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	GE	0	
NO CEIL	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	
GE 20000	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	
GE 18000	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	
GE 16000	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	
GE 14000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	
GE 12000	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	
GE 10000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	
GE 9000	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	
GE 8000	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	
GE 7000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	
GE 6000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	
GE 5000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	
GE 4500	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	
GE 4000	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	
GE 3500	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	
GE 3000	91.1	91.3	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	
GE 2500	96.9	97.1	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	
GE 2000	97.8	98.0	98.8	99.0	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1800	97.8	98.0	98.8	99.0	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1500	98.0	98.2	99.0	99.2	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	98.0	98.2	99.0	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	98.0	98.2	99.0	99.3	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.0	98.2	99.0	99.3	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.0	98.2	99.0	99.3	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.0	98.2	99.0	99.3	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.0	98.2	99.0	99.3	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.0	98.2	99.0	99.3	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.0	98.2	99.0	99.3	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.0	98.2	99.0	99.3	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.0	98.2	99.0	99.3	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.0	98.2	99.0	99.3	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.0	98.2	99.0	99.3	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	
GE 20000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	
GE 18000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	
GE 16000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	
GE 14000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	
GE 12000	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	
GE 10000	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	
GE 9000	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	
GE 8000	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	
GE 7000	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	
GE 6000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	
GE 5000	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	
GE 4500	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	
GE 4000	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	
GE 3500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	
GE 3000	93.1	93.1	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	
GE 2500	97.7	97.7	97.9	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	
GE 2000	98.5	98.6	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 1800	98.5	98.6	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 1500	98.5	98.6	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 1200	98.5	98.6	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 1000	98.5	98.6	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 900	98.5	98.6	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 800	98.5	98.6	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 700	98.5	98.6	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 600	98.5	98.6	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 500	98.5	98.6	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 400	98.5	98.6	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 300	98.5	98.6	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 200	98.5	98.6	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 100	98.5	98.6	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 000	98.5	98.6	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	

TOTAL NUMBER OF OBSERVATIONS 727

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 20000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 18000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 16000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 14000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 12000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 10000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 9000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 8000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 7000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 6000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 5000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 4500	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 4000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 3500	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 3000	88.3	88.8	89.1	89.1	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 2500	93.2	93.8	95.3	95.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2000	95.1	96.1	97.9	98.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	95.1	96.1	97.9	98.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	95.3	96.4	98.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	95.3	96.4	98.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	95.3	96.4	98.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	95.3	96.4	98.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	95.3	96.4	98.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	95.3	96.4	98.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	95.3	96.4	98.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	95.3	96.4	98.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	95.3	96.4	98.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	95.3	96.4	98.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	95.3	96.4	98.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.3	96.4	98.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	95.3	96.4	98.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 384

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: ALL .

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 20000	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 18000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 16000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 14000	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 12000	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 10000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 9000	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 8000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 7000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 6000	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 5000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 4500	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 4000	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 3500	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 3000	90.2	90.4	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 2500	95.7	96.2	96.6	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2000	97.7	98.2	99.0	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	97.7	98.3	99.0	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	97.8	98.3	99.2	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	97.8	98.3	99.2	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	97.8	98.3	99.2	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	97.8	98.3	99.2	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	97.8	98.3	99.2	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	97.8	98.3	99.2	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.8	98.3	99.2	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.8	98.3	99.2	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.8	98.3	99.2	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.8	98.3	99.2	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.8	98.3	99.2	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.8	98.3	99.2	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.8	98.3	99.2	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4706

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.5	53.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 20000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 18000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 16000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 14000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 12000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 10000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 9000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 8000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 7000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 6000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 5000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 4500	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 4000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 3500	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 3000	75.5	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 2500	87.7	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 2000	95.3	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	95.3	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500	96.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	96.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	96.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	96.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	96.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	96.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	96.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	96.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 106

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 20000	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 18000	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 16000	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 14000	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 12000	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 10000	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 9000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 8000	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 7000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 6000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 5000	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 4500	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 4000	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 3500	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 3000	84.4	84.6	84.9	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 2500	91.2	91.7	92.2	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 2000	95.4	96.3	97.1	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	95.9	96.8	97.6	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500	96.2	97.2	98.2	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	96.3	97.3	98.3	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	96.3	97.3	98.6	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	96.3	97.3	98.6	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	96.3	97.3	98.6	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	96.3	97.3	98.6	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	96.3	97.3	98.6	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	96.3	97.3	98.6	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.3	97.3	98.6	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.3	97.3	98.6	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.3	97.3	98.6	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.3	97.3	98.6	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.3	97.3	98.6	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 787

D - 2 - 50

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700		STATION NAME: WHEELER AFB HI										PERIOD OF RECORD: APR 79 - MAR 89										
		LST TO UTC: +10										MONTH: JUL HOURS: 09-11										
CEILING		VISIBILITY IN STATUTE MILES																				
IN	FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0					
NO CEIL	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 20000	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 18000	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 16000	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 14000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 12000	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 10000	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 9000	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 8000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 7000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 6000	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 5000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 4500	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 4000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 3500	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 3000	88.3	88.6	89.1	89.1	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 2500	93.6	94.1	95.2	95.2	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 2000	96.0	96.7	97.9	98.0	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1800	96.2	96.9	98.1	98.3	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	96.6	97.6	98.8	98.9	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	96.6	97.6	98.8	98.9	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	96.6	97.7	99.0	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	96.6	97.7	99.0	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	96.6	97.7	99.0	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	96.6	97.7	99.0	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	96.6	97.7	99.0	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	96.6	97.7	99.0	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.6	97.7	99.0	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.6	97.7	99.0	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.6	97.7	99.0	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.6	97.7	99.0	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.6	97.7	99.0	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 915

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 20000	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 18000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 16000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 14000	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 12000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 10000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 9000	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 8000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 7000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 6000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 5000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 4500	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 4000	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 3500	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 3000	93.7	93.8	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 2500	97.4	97.8	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2000	98.1	98.7	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	98.1	98.7	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	98.1	98.7	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	98.3	98.8	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.3	98.8	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.3	98.8	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.3	98.8	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.3	98.8	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.3	98.8	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.3	98.8	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.3	98.8	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.3	98.8	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.3	98.8	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.3	98.8	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.3	98.8	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 915

OPERATING LOCATION "A"  
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI

LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89

MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 20000	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 18000	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
CE 16000	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 14000	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 12000	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 10000	60.2	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 9000	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 8000	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 7000	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 6000	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 5000	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 4500	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 4000	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 3500	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 3000	93.6	93.7	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 2500	97.7	97.8	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2000	98.5	98.7	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	98.5	98.7	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	98.5	98.7	99.1	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	98.5	98.7	99.1	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.5	98.7	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.5	98.7	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.5	98.7	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.5	98.7	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.5	98.7	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.5	98.7	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.5	98.7	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.5	98.7	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.5	98.7	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.5	98.7	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.5	98.7	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 908

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 20000	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 18000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 16000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 14000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 12000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 10000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 9000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 8000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 7000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 6000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 5000	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 4500	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 4000	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 3500	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 3000	90.1	90.6	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 2500	96.0	96.7	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2000	97.5	98.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1800	97.7	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	97.7	98.3	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	97.7	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	97.7	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	97.7	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	97.7	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	97.7	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.7	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.7	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.7	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.7	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.7	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.7	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.7	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 726

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI

LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89

MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 20000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 18000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 16000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 14000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 12000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 10000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 9000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 8000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 7000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 6000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 5000	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 4500	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 4000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 3500	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 3000	87.9	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
CF 2500	95.2	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2000	98.7	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
SE 500	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
SE 800	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 373

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 20000	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 18000	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 16000	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 14000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 12000	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 10000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 9000	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 8000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 7000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 6000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 5000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 4500	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 4000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 3500	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 3000	89.7	90.0	90.2	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 2500	95.1	95.6	96.1	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 2000	97.2	97.9	98.5	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	97.4	98.0	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1500	97.5	98.2	99.0	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	97.5	98.3	99.0	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	97.5	98.3	99.1	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	97.5	98.3	99.1	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	97.5	98.3	99.1	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	97.5	98.3	99.1	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.5	98.3	99.1	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.5	98.3	99.1	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.5	98.3	99.1	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.5	98.3	99.1	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.5	98.3	99.1	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.5	98.3	99.1	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.5	98.3	99.1	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4730

OPERATING LOCATION "A"  
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 20000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 18000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 16000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 14000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 12000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 10000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 9000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 8000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 7000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 6000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 5000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 4500	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 4000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 3500	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 3000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 2500	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 2000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 111

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 20000	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 18000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 16000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 14000	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 12000	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 10000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 9000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 8000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 7000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 6000	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 5000	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 4500	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 4000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 3500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 3000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 2500	95.6	96.2	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2000	97.9	98.5	99.0	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	98.0	98.6	99.1	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	98.0	98.6	99.1	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	98.2	98.8	99.3	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	98.2	98.8	99.3	99.3	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	98.2	98.8	99.3	99.3	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	98.3	98.9	99.4	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.3	98.9	99.4	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.3	98.9	99.4	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.3	98.9	99.4	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.3	98.9	99.4	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.3	98.9	99.4	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.3	98.9	99.4	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.3	98.9	99.4	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.3	98.9	99.4	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 811

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAE: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 20000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 18000	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 16000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 14000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 12000	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 10000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 9000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 8000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 7000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 6000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 5000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 4500	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 4000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 3500	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 3000	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 2500	97.5	98.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2000	98.3	98.7	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	98.3	98.7	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	98.8	99.2	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	98.8	99.2	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.8	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.8	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.8	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.8	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.8	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.8	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.8	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.8	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.8	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.8	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.8	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 20000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 18000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 16000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 14000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 12000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 10000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 9000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 8000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 7000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 6000	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 5000	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 4500	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 4000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 3500	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 3000	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 2500	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2000	98.7	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
GE 1800	98.7	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
GE 1500	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 1200	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 1000	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 900	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 800	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 700	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 600	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 500	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 400	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 300	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 20000	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 18000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 16000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 14000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 12000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 10000	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 9000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 8000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 7000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 6000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 5000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 4500	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 4000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 3500	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 3000	94.9	95.0	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2500	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000	98.8	98.9	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	98.9	99.0	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.1	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.1	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.1	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.1	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.1	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.1	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.1	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.1	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.1	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.1	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.1	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.1	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.1	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	
GE 20000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	
GE 18000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	
GE 16000	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	
GE 14000	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	
GE 12000	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	
GE 10000	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	
GE 9000	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	
GE 8000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	
GE 7000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	
GE 6000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	
GE 5000	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	
GE 4500	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	
GE 4000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	
GE 3500	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
GE 3000	91.8	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	
GE 2500	97.1	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	
GE 2000	98.7	98.8	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 1800	98.7	98.8	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 1500	98.7	98.8	99.3	99.5	97.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 1200	98.7	98.8	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 1000	98.7	98.8	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 900	98.7	98.8	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 800	98.7	98.8	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 700	98.7	98.8	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 600	98.7	98.8	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 500	98.7	98.8	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
E 400	98.7	98.8	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 300	98.7	98.8	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 200	98.7	98.8	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 100	98.7	98.8	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 000	98.7	98.8	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	

TOTAL NUMBER OF OBSERVATIONS 748

OPERATING LOCATION "A"  
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 20000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 18000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 16000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 14000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 12000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 10000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 9000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 8000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 7000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 6000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 5000	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 4500	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 4000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 3500	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 3000	88.8	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 2500	93.7	95.9	96.2	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2000	94.9	97.7	98.5	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	94.9	97.7	98.5	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	94.9	97.7	98.5	98.7	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	94.9	97.7	98.5	98.7	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	94.9	97.7	98.5	98.7	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	94.9	97.7	98.5	98.7	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	94.9	97.7	98.5	98.7	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	94.9	97.7	98.5	98.7	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	94.9	97.7	98.5	98.7	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	94.9	97.7	98.5	98.7	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	94.9	97.7	98.5	98.7	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.9	97.7	98.5	98.7	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.9	97.7	98.5	98.7	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.9	97.7	98.5	98.7	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.9	97.7	98.5	98.7	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 394

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
GE 20000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	
GE 18000	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	
GE 16000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
GE 14000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	
GE 12000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	
GE 10000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	
GE 9000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	
GE 8000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	
GE 7000	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	
GE 6000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	
GE 5000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	
GE 4500	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
GE 4000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	
GE 3500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	
GE 3000	92.1	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	
GE 2500	96.8	97.2	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	
GE 2000	98.2	98.7	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	98.2	98.7	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	98.5	98.9	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	98.5	99.0	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.5	99.0	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	98.5	99.0	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	98.5	99.0	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.5	99.0	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.5	99.0	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.5	99.0	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.5	99.0	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.5	99.0	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.5	99.0	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.5	99.0	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.5	99.0	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4852

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700		STATION NAME: WHEELER AFB HI										PERIOD OF RECORD: APR 79 - MAR 89									
		LST TO UTC: +10										MONTH: SEP HOURS: 03-05									
CEILING		VISIBILITY IN STATUTE MILES																			
IN	FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	GE	GE	GE	GE
NO CEIL		70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 20000		73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 18000		73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 16000		73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 14000		73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 12000		73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 10000		75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 9000		75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 8000		77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 7000		78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 6000		78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 5000		78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 4500		78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 4000		81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 3500		85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 3000		93.2	93.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 2500		96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2000		98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800		98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500		98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200		98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000		98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		98.1	98.1	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 103

D - 2 - 65

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 20000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 18000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 16000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 14000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 12000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 10000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 9000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 8000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 7000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 6000	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 5000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
E 4500	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 4000	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 3500	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 3000	93.8	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 2500	97.0	97.3	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2000	98.4	98.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	98.4	98.7	99.1	99.6	99.	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	98.4	98.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	98.4	98.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.4	98.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	98.4	98.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	98.4	98.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	98.4	98.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	98.4	98.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	98.4	98.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 400	98.4	98.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 300	98.4	98.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	98.4	98.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	98.4	98.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	98.4	98.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 768

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700		STATION NAME: WHEELER AFB HI								PERIOD OF RECORD: APR 79 - MAR 89												
		LST TO UTC: +10								MONTH: SEP HOURS: 09-11												
CEILING		VISIBILITY IN STATUTE MILES																				
IN	FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	GE	GE	GE	GE	GE
NO CEIL		63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 20000		69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 18000		69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 16000		69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 14000		69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 12000		70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 10000		72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 9000		73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 8000		75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 7000		77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 6000		77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 5000		78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 4500		79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 4000		80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 3500		86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 3000		96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 2500		98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2000		99.2	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800		99.2	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500		99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200		99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000		99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 891

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.5	53.7	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 20000	59.4	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 18000	59.5	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 16000	59.5	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 14000	59.6	59.7	59.7	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 12000	61.1	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 10000	62.8	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 9000	63.2	63.3	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 8000	64.7	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 7000	65.1	65.2	65.2	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 6000	65.5	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 5000	66.4	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 4500	67.5	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 4000	69.7	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 3500	79.0	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 3000	94.2	94.8	94.9	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 2500	96.5	97.3	97.6	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2000	97.6	98.5	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	97.6	98.5	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	97.8	98.7	99.1	99.3	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	97.8	98.7	99.1	99.3	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	97.8	98.7	99.1	99.3	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	97.8	98.7	99.1	99.3	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	97.8	98.7	99.1	99.3	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	97.8	98.7	99.1	99.3	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.8	98.7	99.1	99.3	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.8	98.7	99.1	99.3	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.8	98.7	99.1	99.3	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.8	98.7	99.1	99.3	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.8	98.7	99.1	99.3	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.8	98.7	99.1	99.3	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.8	98.7	99.1	99.3	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 889

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.1	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 20000	59.2	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 18000	59.3	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 16000	59.3	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 14000	59.8	59.8	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 12000	61.2	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 10000	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 9000	62.4	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 8000	63.0	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 7000	63.7	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 6000	63.8	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 5000	64.5	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 4500	66.5	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 4000	69.7	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 3500	78.5	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 3000	93.6	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 2500	96.6	96.9	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2000	98.4	98.8	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	98.4	98.8	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	98.4	98.8	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	98.4	98.8	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	98.4	98.8	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	98.4	98.8	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	98.4	98.8	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	98.4	98.8	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	98.4	98.8	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	98.4	98.8	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	98.4	98.8	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	98.4	98.8	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	98.4	98.8	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	98.4	98.8	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 000	98.4	98.8	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 884

D - 2 - 69

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI PERIOD OF RECORD: APR 79 - MAR 89  
LST TO UTC: +10 MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 20000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 18000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 16000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 14000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 12000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 10000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 9000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 8000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 7000	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 6000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 5000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 4500	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 4000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 3500	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 3000	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 2500	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2000	99.0	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	99.0	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 702

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700				STATION NAME: WHEELER AFB HI				PERIOD OF RECORD: APR 79 - MAR 89														
				LST TO UTC: +10				MONTH: SEP HOURS: 21-23														
CEILING		VISIBILITY IN STATUTE MILES																				
IN	FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	GE	GE	GE	GE	GE
NO CEIL		69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 20000		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 18000		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 16000		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 14000		73.6	73.0	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 12000		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 10000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 9000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 8000		75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 7000		75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 6000		75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 5000		75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 4500		76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 4000		77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 3500		81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 3000		92.6	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 2500		95.9	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2000		98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800		98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500		98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200		98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000		98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 364

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 20000	6.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 18000	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 16000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 14000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 12000	68.3	68.4	68.4	68.4	6.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 10000	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 9000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 8000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 7000	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 6000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 5000	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 4500	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 4000	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 3500	82.9	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 3000	94.4	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 2500	97.0	97.3	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2000	98.5	98.9	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	98.5	98.9	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	98.5	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	98.5	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.5	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.5	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.5	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.5	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.5	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.5	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.5	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.5	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.5	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.5	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.5	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4601

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700		STATION NAME: WHEELER AFB HI										PERIOD OF RECORD: APR 72 - MAR 89										
		LST TO UTC: +10										MONTH: OCT HOURS: 03-05										
CEILING		VISIBILITY IN STATUTE MILES																				
IN	FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	GE	GE	GE	GE	GE
NO CEIL		78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 20000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 18000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 16000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 14000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 12000		80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 10000		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 9000		83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 8000		83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 7000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 6000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 5000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 4500		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 4000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 3500		88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 3000		92.7	92.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 2500		98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2000		99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800		99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500		99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200		99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000		99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 109

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 20000	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 18000	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 16000	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 14000	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 12000	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 10000	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 9000	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 8000	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 7000	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 6000	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 5000	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 4500	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 4000	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 3500	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	84.0
GE 3000	93.2	93.4	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.3	94.3
GE 2500	96.3	96.7	97.1	97.3	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8
GE 2000	97.0	97.3	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9	99.0	99.0
GE 1800	97.0	97.3	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9	99.0	99.0
GE 1500	97.2	97.6	98.4	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7
GE 1200	97.2	97.6	98.4	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7
GE 1000	97.2	97.6	98.4	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7
GE 900	97.2	97.6	98.4	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7
GE 800	97.2	97.6	98.4	98.6	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9
GE 700	97.2	97.6	98.4	98.6	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9
GE 600	97.3	97.7	98.5	98.7	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0
GE 500	97.3	97.7	98.5	98.7	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0
GE 400	97.3	97.7	98.5	98.7	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	97.3	97.7	98.5	98.7	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	97.3	97.7	98.5	98.7	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	97.3	97.7	98.5	98.7	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	97.3	97.7	98.5	98.7	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 789

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI

LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89

MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 20000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 18000	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 16000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 14000	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 12000	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 10000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 9000	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 8000	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 7000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 6000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 5000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 4500	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 4000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 3500	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 3000	93.3	93.4	93.8	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 2500	96.2	96.3	97.0	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2000	97.2	97.4	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1800	97.2	97.4	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500	97.6	97.9	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	97.7	98.0	98.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	97.7	98.0	98.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	97.7	98.0	98.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	98.0	98.4	99.2	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	98.0	98.4	99.2	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	98.0	98.4	99.2	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	98.0	98.4	99.2	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	98.0	98.4	99.2	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	98.0	98.4	99.2	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	98.0	98.4	99.2	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	98.0	98.4	99.2	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 000	98.0	98.4	99.2	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 921

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 91170

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 20000	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 18000	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 16000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 14000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 12000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 10000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 9000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 8000	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 7000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 6000	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 5000	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 4500	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 4000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 3500	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 3000	93.3	93.3	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 2500	96.2	96.4	96.7	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2000	97.5	97.8	98.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800	97.5	97.8	98.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500	97.7	98.2	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	97.7	98.2	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	98.0	98.5	99.1	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	98.0	98.5	99.1	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	98.0	98.5	99.1	99.3	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.0	98.5	99.1	99.3	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.0	98.5	99.1	99.3	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.0	98.5	99.1	99.3	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.0	98.5	99.1	99.3	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.0	98.5	99.1	99.3	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.0	98.5	99.1	99.3	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.0	98.5	99.1	99.3	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.0	98.5	99.1	99.3	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 921

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700		STATION NAME: WHEELER AFB HI								PERIOD OF RECORD: APR 79 - MAR 89											
		LST TO UTC: +10								MONTH: OCT HOURS: 15-17											
CEILING		VISIBILITY IN STATUTE MILES																			
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0					
NO CEIL	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 20000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 18000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 16000	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 14000	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 12000	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 10000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 9000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 8000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 7000	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 6000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 5000	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 4500	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 4000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 3500	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 3000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 2500	95.8	95.8	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2000	97.9	98.0	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800	97.9	98.0	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500	98.0	98.2	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	98.0	98.2	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	98.5	98.7	99.2	99.5	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.5	98.7	99.2	99.5	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.5	98.7	99.2	99.5	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.5	98.7	99.2	99.5	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.5	98.7	99.2	99.5	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.5	98.7	99.2	99.5	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.5	98.7	99.2	99.5	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.5	98.7	99.2	99.5	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.5	98.7	99.2	99.5	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.5	98.7	99.2	99.5	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.5	98.7	99.2	99.5	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 914

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	
GE 20000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	
GE 18000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	
GE 16000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	
GE 14000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	
GE 12000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	
GE 10000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	
GE 9000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	
GE 8000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	
GE 7000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	
GE 6000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	
GE 5000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	
GE 4500	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	
GE 4000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	
GE 3500	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	
GE 3000	93.3	93.5	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	
GE 2500	95.5	95.8	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
GE 2000	96.9	97.2	97.6	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
GE 1800	96.9	97.2	97.6	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	
GE 1500	97.1	97.5	97.9	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
GE 1200	97.5	97.9	98.3	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 1000	97.5	97.9	98.3	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 900	97.5	97.9	98.3	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 800	97.5	97.9	98.3	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 700	97.5	97.9	98.3	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 600	97.5	97.9	98.3	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 500	97.5	97.9	98.3	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	97.5	97.9	98.3	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	97.5	97.9	98.3	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	97.5	97.9	98.3	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	97.5	97.9	98.3	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 000	97.5	97.9	98.3	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 718

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 20000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 18000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 16000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 14000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 12000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 10000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 9000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 8000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 7000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 6000	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 5000	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 4500	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 4000	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 3500	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 3000	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 2500	96.5	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2000	97.7	97.7	98.2	98.2	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1800	97.9	97.9	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	97.9	97.9	98.8	99.1	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	98.2	98.2	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.2	98.2	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.2	98.2	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.2	98.2	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.2	98.2	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.2	98.2	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.2	98.2	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.2	98.2	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.2	98.2	99.1	99.4	99.4	100.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.2	98.2	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.2	98.2	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.2	98.2	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 341

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	
GE 20000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	
GE 18000	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	
GE 16000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	
GE 14000	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	
GE 12000	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	
GE 10000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	
GE 9000	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	
GE 8000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	
GE 7000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	
GE 6000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	
GE 5000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	
GE 4500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	
GE 4000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	
GE 3500	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7	
GE 3000	93.3	93.4	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.0	
GE 2500	96.1	96.3	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	
GE 2000	97.4	97.6	98.2	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	
GE 1800	97.4	97.6	98.3	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	
GE 1500	97.6	97.9	98.6	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
GE 1200	97.7	98.0	98.7	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	
GE 1000	97.9	98.2	98.9	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 900	97.9	98.2	98.9	99.2	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 800	97.9	98.3	98.9	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 700	97.9	98.3	98.9	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 600	98.0	98.3	99.0	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 500	98.0	98.3	99.0	99.3	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	98.0	98.3	99.0	99.3	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	98.0	98.3	99.0	99.3	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	98.0	98.3	99.0	99.3	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	98.0	98.3	99.0	99.3	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 000	98.0	98.3	99.0	99.3	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 4713

OPERATING LOCATION "A"  
USAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI PERIOD OF RECORD: APR 79 - MAR 89  
LST TO UTC: +10 MONTH: NOV HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 20000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 18000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 16000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 14000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 12000	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 10000	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 9000	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 8000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 7000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 6000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 5000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 4500	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 4000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 3500	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 3000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 2500	91.3	91.3	91.3	92.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 2000	92.4	93.5	94.6	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1800	92.4	93.5	94.6	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1500	92.4	93.5	95.7	96.7	97.8	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	92.4	93.5	95.7	96.7	97.8	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	92.4	93.5	96.7	97.8	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	92.4	93.5	96.7	97.8	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	92.4	93.5	96.7	97.8	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	92.4	93.5	96.7	97.8	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	92.4	93.5	96.7	97.8	99.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	92.4	93.5	96.7	97.8	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	92.4	93.5	96.7	97.8	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	92.4	93.5	96.7	97.8	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.4	93.5	96.7	97.8	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.4	93.5	96.7	97.8	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	92.4	93.5	96.7	97.8	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 92

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	50.9	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	
GE 20000	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	
GE 18000	56.5	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	
GE 16000	56.5	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	
GE 14000	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	
GE 12000	56.8	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
GE 10000	59.2	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	
GE 9000	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	
GE 8000	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	
GE 7000	60.3	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	
GE 6000	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	
GE 5000	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	
GE 4500	62.0	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	
GE 4000	64.1	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	
GE 3500	68.4	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	
GE 3000	82.7	83.1	83.4	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	
GE 2500	90.0	91.3	92.5	93.0	93.0	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	
GE 2000	93.0	94.7	96.3	96.8	96.9	96.9	97.0	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	
GE 1800	93.1	94.8	96.5	96.9	97.0	97.0	97.2	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	
GE 1500	93.7	95.5	97.2	97.9	98.0	98.0	98.5	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 1200	93.7	95.5	97.3	98.0	98.2	98.2	98.6	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
GE 1000	94.0	95.8	97.6	98.3	98.5	98.5	99.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 900	94.0	95.8	97.6	98.3	98.5	98.5	99.0	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 800	94.0	95.8	97.9	98.6	98.7	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 700	94.0	95.8	97.9	98.6	98.7	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 600	94.0	95.8	97.9	98.6	98.7	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 500	94.0	95.8	97.9	98.6	98.7	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	94.0	95.8	97.9	98.6	98.7	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	94.0	95.8	97.9	98.6	98.7	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	94.0	95.8	97.9	98.6	98.7	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	94.0	95.8	97.9	98.6	98.7	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 000	94.0	95.8	97.9	98.6	98.7	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 711

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 20000	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 18000	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 16000	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 14000	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 12000	56.5	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 10000	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 9000	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 8000	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 7000	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 6000	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 5000	62.0	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 4500	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 4000	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 3500	70.6	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 3000	83.8	84.2	84.6	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 2500	89.6	90.1	91.1	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 2000	92.5	93.1	94.5	95.4	96.3	96.3	96.3	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1800	92.5	93.1	94.5	95.4	96.4	96.4	96.4	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1500	93.2	94.0	95.6	96.5	97.9	97.9	98.0	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	93.3	94.2	95.7	96.6	98.0	98.0	98.1	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	93.6	94.4	96.0	97.0	98.4	98.4	98.5	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	93.6	94.4	96.0	97.0	98.5	98.5	98.7	98.8	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	93.6	94.4	96.0	97.0	98.6	98.6	98.8	98.9	98.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	93.6	94.4	96.0	97.0	98.6	98.6	98.8	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	93.6	94.4	96.0	97.0	98.6	98.6	98.8	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	93.6	94.4	96.0	97.0	98.6	98.6	98.8	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	93.6	94.4	96.0	97.0	98.6	98.6	98.8	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	93.6	94.4	96.0	97.0	98.6	98.6	98.8	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	93.6	94.4	96.0	97.0	98.6	98.6	98.8	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.6	94.4	96.0	97.0	98.6	98.6	98.8	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.6	94.4	96.0	97.0	98.6	98.6	98.8	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 856

D - 2 - 83

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 1/8	GE 1/16	
NO CEIL	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	
GE 20000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	
GE 18000	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	
GE 16000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	
GE 14000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	
GE 12000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	
GE 10000	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	
GE 9000	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	
GE 8000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	
GE 7000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	
GE 6000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	
GE 5000	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	
GE 4500	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	
GE 4000	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	
GE 3500	69.4	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	
GE 3000	86.6	87.0	87.3	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	
GE 2500	92.0	92.6	93.2	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	
GE 2000	94.0	94.7	95.5	96.4	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	
GE 1800	94.0	94.7	95.5	96.4	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	
GE 1500	95.2	96.0	96.9	98.2	98.6	98.6	98.8	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	
GE 1200	95.3	96.1	97.1	98.4	98.7	98.7	98.9	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	
GE 1000	95.3	96.1	97.1	98.4	98.7	98.7	99.1	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	
GE 900	95.5	96.4	97.3	98.6	98.9	98.9	99.3	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	
GE 800	95.5	96.4	97.3	98.6	98.9	98.9	99.3	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	
GE 700	95.5	96.4	97.3	98.6	98.9	98.9	99.3	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	
GE 600	95.5	96.4	97.3	98.6	98.9	98.9	99.3	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	
GE 500	95.7	96.5	97.4	98.7	99.1	99.1	99.4	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	
GE 400	95.7	96.5	97.4	98.7	99.1	99.1	99.4	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	
GE 300	95.7	96.5	97.4	98.7	99.1	99.1	99.4	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	
GE 200	95.7	96.5	97.4	98.7	99.1	99.1	99.4	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	
GE 100	95.7	96.5	97.4	98.7	99.1	99.1	99.4	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	
GE 000	95.7	96.5	97.4	98.7	99.1	99.1	99.4	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 852

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700				STATION NAME: WHEELER AFB HI				PERIOD OF RECORD: APR 79 - MAR 89											
				LST TO UTC: +10				MONTH: NOV HOURS: 15-17											
CEILING IN FEET	VISIBILITY IN STATUTE MILES																		
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0			
NO CEIL	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 20000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 18000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 16000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 14000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 12000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 10000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 9000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 8000	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 7000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 6000	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 5000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 4500	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 4000	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 3500	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 3000	87.7	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 2500	93.4	93.7	94.2	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 2000	95.4	95.9	96.4	97.3	97.5	97.5	97.7	7.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1800	95.5	96.0	96.6	97.4	97.6	97.6	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1500	96.0	96.4	97.0	98.1	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	96.0	96.4	97.0	98.1	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	96.3	96.8	97.4	98.6	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	96.3	96.8	97.4	98.7	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	96.3	96.8	97.4	98.7	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	96.3	96.8	97.4	98.7	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	96.3	96.8	97.4	98.7	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	96.3	96.8	97.6	98.9	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	96.3	96.8	97.6	98.9	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	96.3	96.8	97.6	98.9	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.3	96.8	97.6	98.9	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.3	96.8	97.6	98.9	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.3	96.8	97.6	98.9	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 844

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	
GE 20000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	
GE 18000	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	
GE 16000	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	
GE 14000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	
GE 12000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	
GE 10000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	
GE 9000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	
GE 8000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	
GE 7000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	
GE 6000	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	
GE 5000	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	
GE 4500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	
GE 4000	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	
GE 3500	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	
GE 3000	88.3	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	
GE 2500	94.0	95.0	95.3	95.5	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	
GE 2000	96.1	97.1	97.6	97.7	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	
GE 1800	96.1	97.1	97.6	97.7	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	
GE 1500	96.8	97.7	98.2	98.4	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 1200	96.8	97.7	98.2	98.4	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 1000	96.8	97.7	98.2	98.4	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 900	96.8	97.7	98.2	98.4	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 800	96.8	97.7	98.2	98.4	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 700	96.8	97.7	98.2	98.4	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 600	96.8	97.7	98.2	98.4	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 500	96.8	97.7	98.2	98.4	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 400	96.8	97.7	98.2	98.4	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 300	96.8	97.7	98.2	98.4	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 200	96.8	97.7	98.2	98.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 100	96.8	97.7	98.2	98.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 000	96.8	97.7	98.2	98.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	

TOTAL NUMBER OF OBSERVATIONS 616

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFG HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE +	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	CE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	58.2	58.2	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 20000	61.6	61.6	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 18000	61.6	61.6	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 16000	61.6	61.6	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 14000	61.6	61.6	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 12000	62.2	62.2	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 10000	63.9	63.9	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 9000	63.9	63.9	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 8000	64.6	64.6	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 7000	65.6	65.6	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 6000	65.6	65.6	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 5000	65.6	65.6	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 4500	66.0	6.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 4000	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 3500	70.7	70.7	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 3000	90.1	90.1	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 2500	94.2	95.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2000	94.6	95.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1800	94.6	95.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1500	94.6	95.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	94.6	95.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	94.6	95.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	94.6	95.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	94.9	96.3	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	94.9	96.3	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	94.9	96.3	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	95.2	96.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	95.2	96.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	95.2	96.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	95.2	96.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.2	96.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	95.2	96.6	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 294

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	
GE 20000	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
GE 18000	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	
GE 16000	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	
GE 14000	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	
GE 12000	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	
GE 10000	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	
GE 9000	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	
GE 8000	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	
GE 7000	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	
GE 6000	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	
GE 5000	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	
GE 4500	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	
GE 4000	65.3	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	
GE 3500	70.2	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	
GE 3000	86.0	86.3	86.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	
GE 2500	91.9	92.6	93.4	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
GE 2000	94.1	95.0	96.1	96.8	97.2	97.2	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	
GE 1800	94.2	95.1	96.2	96.9	97.3	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	
GE 1500	94.8	95.8	97.0	97.9	98.5	98.5	98.7	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
GE 1200	94.9	95.8	97.1	97.9	98.5	98.5	98.8	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	
GE 1000	95.0	96.0	97.3	98.2	98.8	98.8	99.1	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 900	95.1	96.1	97.3	98.2	98.9	98.9	99.2	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 800	95.1	96.1	97.4	98.3	99.0	99.0	99.3	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	
GE 700	95.1	96.1	97.4	98.3	99.0	99.0	99.3	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	
GE 600	95.1	96.1	97.4	98.3	99.0	99.0	99.3	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	
GE 500	95.1	96.1	97.5	98.4	99.1	99.1	99.4	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 400	95.1	96.1	97.5	98.4	99.1	99.1	99.4	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 300	95.1	96.1	97.5	98.4	99.1	99.1	99.4	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 200	95.1	96.1	97.5	98.4	99.1	99.1	99.4	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 100	95.1	96.1	97.5	98.4	99.1	99.1	99.4	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 000	95.1	96.1	97.5	98.4	99.1	99.1	99.4	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 4265

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	
GE 20000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	
GE 18000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	
GE 16000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	
GE 14000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	
GE 12000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	
GE 10000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	
GE 9000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	
GE 8000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	
GE 7000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	
GE 6000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	
GE 5000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	
GE 4500	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	
GE 4000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	
GE 3500	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	
GE 3000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	
GE 2500	87.2	87.2	87.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	
GE 2000	88.3	91.5	91.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	
GE 1800	88.3	91.5	91.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	
GE 1500	89.4	92.6	93.6	95.7	96.8	96.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	
GE 1200	90.4	93.6	94.7	96.8	97.9	97.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 1000	90.4	93.6	94.7	96.8	97.9	97.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 900	90.4	93.6	94.7	96.8	97.9	97.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 800	90.4	93.6	94.7	96.8	97.9	97.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 700	90.4	93.6	94.7	96.8	97.9	97.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 600	90.4	93.6	94.7	96.8	97.9	97.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 500	90.4	93.6	94.7	96.8	97.9	97.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 400	90.4	93.6	94.7	96.8	97.9	97.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 300	90.4	93.6	94.7	96.8	97.9	97.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 200	91.5	94.7	95.7	97.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	91.5	94.7	95.7	97.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 000	91.5	94.7	95.7	97.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 94

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	
GE 20000	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	
GE 18000	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	
GE 16000	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	
GE 14000	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	
GE 12000	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	
GE 10000	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	
GE 9000	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	
GE 8000	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	
GE 7000	65.8	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	
GE 6000	65.9	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	
GE 5000	66.6	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	
GE 4500	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	
GE 4000	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	
GE 3500	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	
GE 3000	83.4	83.6	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	
GE 2500	90.4	90.7	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	
GE 2000	92.9	93.4	94.4	94.9	95.1	95.1	95.1	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1800	92.9	93.4	94.4	94.9	95.1	95.1	95.1	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1500	93.6	94.1	95.5	96.3	96.7	96.9	97.0	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1200	93.7	94.3	95.8	96.6	97.0	97.1	97.3	97.3	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1000	94.1	94.7	96.2	97.0	97.5	97.7	98.1	98.2	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	94.3	94.8	96.3	97.1	97.7	97.8	98.2	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	94.3	94.8	96.3	97.1	97.7	97.8	98.2	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	94.3	94.8	96.3	97.1	97.7	97.8	98.2	98.4	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	94.3	94.8	96.3	97.1	97.7	97.8	98.2	98.4	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	94.5	95.1	96.6	97.5	98.1	98.2	98.6	98.8	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	94.5	95.1	96.6	97.5	98.1	98.2	98.6	98.8	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	94.7	95.2	96.7	97.7	98.2	98.4	98.8	98.9	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	94.7	95.2	96.7	97.7	98.2	98.4	98.9	99.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.7	95.2	96.7	97.7	98.2	98.4	98.9	99.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.7	95.2	96.7	97.7	98.2	98.4	98.9	99.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 731

D - 2 - 90

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
NO CEIL	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 20000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 18000	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 16000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 14000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 12000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 10000	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 9000	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 8000	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 7000	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 6000	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 5000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 4500	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 4000	65.3	65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 3500	69.9	69.9	70.0	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 3000	83.4	83.4	83.9	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 2500	88.9	89.0	89.6	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 2000	92.1	92.5	93.5	95.0	95.4	95.4	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1800	92.4	92.7	93.7	95.2	95.7	95.7	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1500	93.2	93.7	94.7	96.7	97.4	97.4	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1200	93.3	93.8	94.9	96.8	97.5	97.5	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	93.5	94.1	95.2	97.3	98.1	98.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	93.5	94.1	95.2	97.3	98.1	98.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	93.5	94.1	95.2	97.3	98.1	98.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	93.5	94.1	95.2	97.3	98.1	98.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	93.5	94.1	95.2	97.3	98.1	98.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	93.5	94.1	95.2	97.3	98.1	98.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	93.5	94.1	95.2	97.3	98.1	98.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	93.5	94.1	95.2	97.3	98.1	98.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	93.5	94.1	95.2	97.3	98.1	98.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 100	93.5	94.1	95.2	97.3	98.1	98.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 000	93.5	94.1	95.2	97.3	98.1	98.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 876

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	
GE 20000	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	
GE 18000	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	
GE 16000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	
GE 14000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	
GE 12000	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	
GE 10000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	
GE 9000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	
GE 8000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	
GE 7000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	
GE 6000	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	
GE 5000	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	
GE 4500	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	
GE 4000	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	
GE 3500	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	
GE 3000	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	
GE 2500	89.4	89.9	90.8	91.1	91.1	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	
GE 2000	92.5	93.0	94.3	94.7	95.6	96.0	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	
GE 1800	93.0	93.4	94.7	95.2	96.2	96.6	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	
GE 1500	93.9	94.6	96.0	96.4	97.7	98.0	98.2	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
GE 1200	93.9	94.6	96.0	96.6	97.8	98.2	98.5	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
GE 1000	93.9	94.6	96.1	96.7	98.0	98.4	99.0	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 900	93.9	94.6	96.1	96.7	98.0	98.4	99.0	99.1	99.2	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	
GE 800	93.9	94.6	96.1	96.7	98.0	98.4	99.0	99.1	99.2	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	
GE 700	93.9	94.6	96.1	96.7	98.0	98.4	99.0	99.1	99.2	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	
GE 600	93.9	94.6	96.1	96.7	98.0	98.4	99.0	99.1	99.2	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	
GE 500	93.9	94.6	96.1	96.7	98.0	98.4	99.0	99.2	99.3	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	
GE 400	93.9	94.6	96.1	96.7	98.0	98.4	99.0	99.2	99.3	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	
GE 300	93.9	94.6	96.1	96.7	98.0	98.4	99.0	99.2	99.3	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 200	93.9	94.6	96.1	96.7	98.0	98.4	99.0	99.2	99.3	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 100	93.9	94.6	96.1	96.7	98.0	98.4	99.0	99.2	99.3	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 000	93.9	94.6	96.1	96.7	98.0	98.4	99.0	99.2	99.3	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 870

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 20000	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 18000	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.
GE 16000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 14000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 12000	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 10000	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 9000	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 8000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 7000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 6000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 5000	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 4500	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 4000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 3500	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 3000	85.2	85.3	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 2500	90.4	90.5	90.9	91.1	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 2000	92.4	92.8	93.5	93.8	94.5	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1800	92.6	93.1	93.8	94.1	94.8	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1500	93.5	94.0	94.8	95.3	96.2	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1200	93.5	94.0	94.9	95.4	96.4	96.6	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1000	93.6	94.2	95.2	95.8	96.8	97.1	98.2	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.9	98.9
GE 900	94.0	94.6	95.5	96.1	97.2	97.4	98.6	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.3	99.3
GE 800	94.0	94.6	95.5	96.1	97.3	97.5	98.7	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.4	99.4
GE 700	94.0	94.6	95.5	96.1	97.3	97.5	98.7	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.4	99.4
GE 600	94.0	94.6	95.5	96.1	97.3	97.5	98.7	99.1	99.1	99.4	99.5	99.5	99.6	99.6	99.8	99.8
GE 500	94.0	94.6	95.5	96.1	97.3	97.5	98.8	99.2	99.2	99.3	99.6	99.6	99.8	99.8	99.9	99.9
GE 400	94.0	94.6	95.5	96.1	97.3	97.5	98.8	99.2	99.3	99.6	99.8	99.8	99.9	99.9	100.0	100.0
GE 300	94.0	94.6	95.5	96.1	97.3	97.5	98.8	99.2	99.3	99.6	99.8	99.8	99.9	99.9	100.0	100.0
GE 200	94.0	94.6	95.5	96.1	97.3	97.5	98.8	99.2	99.3	99.6	99.8	99.8	99.9	99.9	100.0	100.0
GE 100	94.0	94.6	95.5	96.1	97.3	97.5	98.8	99.2	99.3	99.6	99.8	99.8	99.9	99.9	100.0	100.0
GE 000	94.0	94.6	95.5	96.1	97.3	97.5	98.8	99.2	99.3	99.6	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 850

D - 2 - 93

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	
GE 20000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	
GE 18000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	
GE 16000	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	
GE 14000	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	
GE 12000	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	
GE 10000	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	
GE 9000	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	
GE 8000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	
GE 7000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	
GE 6000	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	
GE 5000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	
GE 4500	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	
GE 4000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	
GE 3500	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	
GE 3000	87.0	87.2	87.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	
GE 2500	91.7	92.0	92.9	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	
GE 2000	93.6	93.9	95.0	95.8	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	
GE 1800	93.6	93.9	95.0	96.0	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	
GE 1500	93.9	94.5	95.7	97.2	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	
GE 1200	93.9	94.5	95.7	97.2	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
GE 1000	93.9	94.5	95.8	97.4	97.9	98.6	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
GE 900	94.1	94.6	96.0	97.6	98.1	98.8	99.1	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 800	94.1	94.6	96.0	97.6	98.1	98.8	99.1	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 700	94.1	94.6	96.0	97.6	98.1	98.8	99.1	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 600	94.3	94.8	96.2	97.9	98.4	99.1	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 500	94.3	94.8	96.2	97.9	98.4	99.1	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	94.3	94.8	96.2	97.9	98.4	99.1	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	94.3	94.8	96.2	97.9	98.4	99.1	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	94.3	94.8	96.2	97.9	98.4	99.1	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	94.3	94.8	96.2	97.9	98.4	99.1	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 000	94.3	94.8	96.2	97.9	98.4	99.1	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 578

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	
GE 20000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	
GE 18000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	
GE 16000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	
GE 14000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	
GE 12000	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	
GE 10000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	
GE 9000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	
GE 8000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	
GE 7000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	
GE 6000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	
GE 5000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	
GE 4500	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	
GE 4000	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	
GE 3500	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	
GE 3000	91.4	91.4	91.4	91.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	
GE 2500	95.7	95.7	96.1	96.1	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	
GE 2000	96.6	96.6	97.4	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	
GE 1800	96.6	96.6	97.4	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	
GE 1500	96.6	97.0	98.3	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 1200	96.6	97.0	98.3	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 1000	96.6	97.0	98.3	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 900	96.6	97.0	98.3	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 800	96.6	97.0	98.3	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 700	96.6	97.0	98.3	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 600	96.6	97.0	98.3	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 500	96.6	97.0	98.3	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 400	96.6	97.0	98.3	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 300	96.6	97.0	98.3	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 200	96.6	97.0	98.3	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 100	96.6	97.0	98.3	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 000	96.6	97.0	98.3	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	

TOTAL NUMBER OF OBSERVATIONS 233

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	
GE 20000	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	
GE 18000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	
GE 16000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	
GE 14000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	
GE 12000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	
GE 10000	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	
GE 9000	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	
GE 8000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	
GE 7000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	
GE 6000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	
GE 5000	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	
GE 4500	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	
GE 4000	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	
GE 3500	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	
GE 3000	85.0	85.1	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	
GE 2500	90.3	90.5	91.1	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	
GE 2000	92.7	93.2	94.2	94.9	95.4	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	
GE 1800	92.9	93.4	94.4	95.1	95.7	95.8	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	
GE 1500	93.7	94.3	95.4	96.5	97.3	97.4	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	
GE 1200	93.7	94.4	95.6	96.6	97.4	97.6	98.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	
GE 1000	93.9	94.5	95.8	96.9	97.8	98.0	98.7	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 900	94.0	94.6	95.9	97.0	97.9	98.1	98.9	99.0	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	
GE 800	94.0	94.6	95.9	97.0	97.9	98.2	98.9	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	
GE 700	94.0	94.6	95.9	97.0	97.9	98.2	98.9	99.1	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	
GE 600	94.0	94.7	95.9	97.0	98.0	98.2	99.0	99.1	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	
GE 500	94.1	94.7	96.0	97.1	98.0	98.3	99.1	99.2	99.3	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	
GE 400	94.1	94.7	96.0	97.1	98.0	98.3	99.1	99.2	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	
GE 300	94.1	94.7	96.0	97.1	98.1	98.3	99.1	99.3	99.4	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	
GE 200	94.1	94.8	96.0	97.2	98.1	98.3	99.1	99.3	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	
GE 100	94.1	94.8	96.0	97.2	98.1	98.3	99.1	99.3	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	
GE 000	94.1	94.8	96.0	97.2	98.1	98.3	99.1	99.3	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 4232

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0		
NO CEIL	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	
GE 20000	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	
GE 18000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	
GE 16000	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	
GE 14000	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	
GE 12000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	
GE 10000	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	
GE 9000	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	
GE 8000	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	
GE 7000	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	
GE 6000	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	
GE 5000	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	
GE 4500	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	
GE 4000	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	
GE 3500	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	
GE 3000	88.9	89.1	89.3	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	
GE 2500	93.7	94.1	94.6	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	
GE 2000	96.0	96.6	97.4	97.8	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	
GE 1800	96.1	96.7	97.6	98.0	98.2	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	
GE 1500	96.5	97.1	98.1	98.5	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	
GE 1200	96.6	97.2	98.2	98.6	99.1	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
GE 1000	96.6	97.3	98.3	98.8	99.2	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 900	96.6	97.3	98.3	98.8	99.3	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 800	96.6	97.3	98.3	98.8	99.3	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	
GE 700	96.6	97.3	98.3	98.8	99.3	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 600	96.6	97.3	98.3	98.8	99.3	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 500	96.6	97.3	98.3	98.8	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 400	96.6	97.3	98.3	98.8	99.3	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	
GE 300	96.7	97.3	98.3	98.8	99.3	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	
GE 200	96.7	97.3	98.3	98.8	99.3	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	
GE 100	96.7	97.3	98.3	98.8	99.3	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	
GE 000	96.7	97.3	98.3	98.8	99.3	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 55038

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS:ALL

HOURS (LST)	AIRWAY CLASSES					GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION			
00-02								0
03-05	5.7	55.7	32.8	5.7		38.5		122
06-08	3.4	51.4	38.1	6.7	.4	45.1	1.7	762
09-11	1.1	53.8	38.3	6.8		45.1	1.7	881
12-14	.5	49.6	42.1	7.8		49.9	1.6	881
15-17	.6	53.4	39.2	6.6	.2	46.0	1.0	869
18-20	2.0	57.8	33.7	6.0	.5	40.2	.6	664
21-23	3.1	55.9	35.1	7.5	.3	40.9	.6	320
ALL HOURS	1.0	53.0	37.0	6.0	.0	45.0	1.0	4499

MONTH: FEB HOURS: ALL

00-02								0
03-05	11.9	55.9	24.6	7.6		32.2	.8	118
06-08	3.5	54.1	35.8	6.6		42.4	.7	724
09-11	.6	54.0	38.6	6.8		45.4	1.2	840
12-14		49.5	44.9	5.6		50.5	.5	837
15-17	.1	50.3	42.1	7.5		49.6	.4	829
18-20	1.9	56.8	33.4	7.9		41.3	.6	632
21-23	6.6	56.6	29.6	6.9	.3	36.8	.3	304
ALL HOURS	1.8	53.1	38.2	6.9	.0	45.1	.7	4284

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS:ALL

HOURS (LST)	AIRWAY CLASSES					GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION			
00-02								0
03-05	4.5	54.5	34.1	6.8		40.9		132
06-08	.9	52.6	37.7	8.7	.1	46.5	.9	802
09-11	.2	50.1	41.0	8.7		49.7	1.1	924
12-14		43.1	46.9	10.1		56.9	1.4	924
15-17		40.8	48.8	10.4		59.2	1.5	914
18-20	.1	46.5	42.6	10.7		53.3	1.0	718
21-23	.9	57.0	34.5	7.7		42.2		351
ALL HOURS	.0	47.0	42.0	9.0	.0	52.0	1.0	4765

MONTH: APR HOURS: ALL

00-02								0
03-05	1.9	47.2	42.6	8.3		50.9		108
06-08	.6	45.0	46.9	7.4		54.4	.4	780
09-11		39.2	52.5	8.3		60.8		888
12-14		35.1	56.5	8.4		64.9	.1	889
15-17		42.4	48.7	8.9		57.6	.7	891
18-20	.1	41.6	46.3	12.0		58.3	.1	717
21-23	.8	45.0	43.9	10.4		54.2		367
ALL HOURS	.2	41.0	49.7	9.0		58.8	.2	4640

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: ALL

HOURS (LST)	AIRWAY CLASSES					GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION			
00-02								0
03-05	.9	54.1	41.3	3.7		45.0		109
06-08		51.0	43.9	5.0	.1	49.0	1.1	798
09-11		47.7	47.3	5.0		52.3	1.3	921
12-14		47.5	47.7	4.8		52.5	.2	917
15-17		43.5	49.9	6.6		56.5	.5	910
18-20		44.5	47.8	7.7		55.5	.4	726
21-23		55.9	37.6	6.5		44.1		370
ALL HOURS	.0	47.0	46.0	5.0	.0	52.0	.0	4751

MONTH: JUN HOURS: ALL

00-02								0
03-05		57.5	40.6	1.9		42.5		106
06-08		53.3	42.8	3.9		46.7		790
09-11		48.2	48.9	2.9		51.8		900
12-14		46.5	49.6	3.9		53.5	.4	899
15-17		45.8	50.4	3.8		54.2	.2	900
18-20		51.3	45.8	2.9		48.7	.4	727
21-23		50.8	45.6	3.6		49.2		384
ALL HOURS		49.2	47.4	3.5		50.8	.2	4706

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST			
00-02							0
03-05		55.7	39.6	4.7	44.3		106
06-08		52.2	45.0	2.8	47.8	1.1	787
09-11		47.4	48.7	3.8	52.6	1.3	915
12-14		48.2	49.3	2.5	51.8	1.0	915
15-17		49.6	46.9	3.5	50.4	.7	908
18-20		47.1	49.4	3.4	52.9	1.1	726
21-23		52.0	44.2	3.8	48.0	1.1	373
ALL HOURS		49.0	47.0	3.0	50.0	1.0	4730

MONTH: AUG HOURS: ALL

00-02							0
03-05	.9	58.6	37.8	2.7	40.5		111
06-08	.1	53.9	41.2	4.8	46.0	.6	811
09-11		51.2	44.3	4.5	48.8	.6	930
12-14		53.4	41.6	5.1	46.6	.1	929
15-17		50.9	45.1	4.0	49.1	.2	929
18-20		51.2	44.7	4.1	48.8	.4	748
21-23	.5	51.5	43.7	4.3	48.0	1.5	394
ALL HOURS	.1	52.2	43.3	4.5	47.7	.5	4852

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: ALL

HOURS (LST)	AIRWAY CLASSES					GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION			
00-02								0
03-05	4.9	63.1	28.2	3.9		32.0		103
06-08	.3	61.6	34.5	3.6		38.2	.3	768
09-11		56.1	40.2	3.7		43.9	.2	891
12-14		45.8	50.4	3.8		54.2	1.0	889
15-17		45.0	49.1	5.9		55.0	.7	884
18-20		58.0	35.8	6.3		42.0	.1	702
21-23	.3	64.8	32.1	2.7		34.9	.3	364
ALL HOURS	.0	54.0	41.0	4.0		45.0	.0	4601

MONTH: OCT HOURS: ALL

00-02								0
03-05	8.3	63.3	25.7	2.8		28.4	.9	109
06-08	.3	61.5	34.2	4.1		38.3	1.0	789
09-11		51.5	42.9	5.5	.1	48.5	.4	921
12-14		45.2	48.8	6.1		54.8	.5	921
15-17		44.4	48.2	7.3		55.6	.5	914
18-20	.1	53.8	38.6	7.5		46.1	.7	718
21-23	.9	63.0	31.1	5.0		36.1	.6	341
ALL HOURS	.3	52.0	41.7	5.9	.0	47.7	.6	4713

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS:ALL

HOURS (LST)	AIRWAY CLASSES					GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION			
00-02								0
03-05	2.2	56.5	35.9	5.4		41.3		92
06-08	.3	48.8	44.5	6.6		50.9	1.3	711
09-11		44.9	47.2	7.8	.1	55.1	.8	856
12-14		44.4	47.7	7.9	.1	55.6	.2	852
15-17		46.8	46.8	6.3	.1	53.2	.5	844
18-20	.2	51.1	41.1	7.5	.2	48.7	.8	616
21-23	1.0	54.4	38.1	6.5		44.6	.7	294
ALL HOURS	.0	47.0	44.0	7.0	.0	52.0	.0	4265

MONTH: DEC HOURS: ALL

00-02								0
03-05	6.4	52.1	31.9	9.6		41.5	1.1	94
06-08	2.1	54.2	36.3	7.5		43.8	1.6	731
09-11	.5	51.3	40.9	7.4		48.3	1.9	876
12-14	.2	45.1	46.9	7.6	.2	54.7	2.4	870
15-17		49.1	41.3	9.3	.4	50.9	3.4	850
18-20	.7	53.6	38.1	7.4	.2	45.7	2.6	578
21-23	2.1	59.2	34.3	3.9	.4	38.6	1.3	233
ALL HOURS	.9	50.8	40.5	7.7	.2	48.3	2.3	4232

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI PERIOD OF RECORD: APR 79 - MAR 89  
LST TO UTC: +10 MONTH: ALL HOURS: ALL

HOURS (LST)	AIRWAY CLASSES					GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION			
00-02						0		
03-05	4.0	56.2	34.5	5.3		39.8	.2	1310
06-08	.9	53.3	40.1	5.6	.1	45.8	.9	9253
09-11	.2	49.6	44.3	5.9	.0	50.2	.9	10743
12-14	.1	46.1	47.7	6.1	.0	53.8	.8	10723
15-17	.1	46.8	46.5	6.6	.1	53.2	.9	10642
18-20	.4	50.9	41.7	6.9	.1	48.7	.7	8272
21-23	1.2	55.3	37.7	5.7	.1	43.5	.5	4095
ALL HOURS	.5	49.8	43.5	6.2	.0	49.8	.8	55038

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	EEEEEEEEE
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	EEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPPP	AAAAAAA	RRRRRRR	TT	EEEEEE
PP	AAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEE
				EEEEEEEEE

PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, WET BULB TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS:  $F = 1.8C + 32$

$C = K - 273.0$  (BEFORE 5 APRIL 77)  
 $C = K - 273.2$  (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).  
CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: 3906-4904,6308-8903  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 90							.4	2.3	2.1	.7	.1		.5
GE 85	.6	.2	1.4	.6	6.6	19.9	27.2	40.8	41.5	25.9	6.0	.7	14.4
GE 80	16.7	22.2	24.2	33.5	65.9	85.0	91.2	95.1	96.8	83.9	53.4	24.3	57.8
GE 75	70.4	71.2	76.4	85.5	97.3	99.9	99.9	100.0	99.9	98.8	92.5	74.5	88.9
GE 70	95.3	96.5	98.4	99.0	99.9	100.0	100.0		100.0	99.9	99.8	97.8	98.9
GE 65	99.8	100.0	99.8	100.0	100.0				100.0	100.0	100.0	100.0	100.0
GE 60	100.0		100.0										100.0
MEAN	76.1	76.5	76.9	78.0	80.5	82.2	83.0	83.9	84.1	82.4	79.6	76.9	80.0
SD	3.61	3.65	3.60	3.23	2.91	2.66	2.69	2.89	2.68	3.16	3.33	3.54	4.32
TOTAL OBS	1081	1006	1104	1038	1044	1049	1079	1092	1039	1105	1053	1071	12761

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: 3906-4904,6308-8903  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 80							.1						.0
GE 75							.9	1.1	.5	.2			.2
GE 70	1.9	.5	.8	1.6	4.7	19.8	37.7	45.7	32.1	22.1	12.1	3.8	15.4
GE 65	24.0	23.8	36.0	51.2	70.5	92.0	97.9	98.9	94.8	90.1	72.8	43.6	66.4
GE 60	73.7	75.4	86.6	96.4	99.3	99.4	99.9	100.0	100.0	99.9	98.4	90.2	93.3
GE 55	98.2	97.1	99.5	100.0	100.0	100.0	100.0			100.0	100.0	99.3	99.5
GE 50	100.0	100.0	100.0								100.0	100.0	100.0
MEAN	61.9	61.8	63.0	64.4	65.6	67.6	68.8	69.3	68.4	67.6	66.2	63.9	65.7
SD	3.70	3.50	3.12	2.53	2.35	2.28	2.31	2.22	2.36	2.51	2.82	3.40	3.80
TOTAL OBS	1081	1006	1104	1038	1044	1049	1079	1092	1039	1105	1053	1071	12761

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: 3906-4904,6308-8903  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 80						.4	4.4	8.2	5.3	2.2	.2		1.7
GE 75	1.9	1.5	3.2	6.3	25.9	61.7	80.4	87.4	84.9	62.4	26.7	5.6	37.5
GE 70	47.7	51.1	64.5	80.5	96.8	99.9	100.0	100.0	100.0	99.5	93.9	65.4	83.3
GE 65	94.6	94.9	98.2	99.1	99.9	100.0				100.0	99.8	99.0	98.8
GE 60	99.9	100.0	100.0	100.0	100.0					100.0	100.0	100.0	100.0
GE 55	100.0												100.0
MEAN	69.2	69.3	70.2	71.4	73.3	75.1	76.1	76.8	76.4	75.2	73.1	70.6	73.1
SD	2.75	2.69	2.57	2.28	2.01	1.78	1.88	1.94	1.86	2.15	2.37	2.64	3.55
TOTAL OBS	1081	1006	1104	1038	1044	1049	1079	1092	1039	1105	1053	1071	12761

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: 3906-4904,6308-8903

MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
39						82	82	83	85	85	79	81	85*
40	79	82	86	85	87	85	85	85	85	89	87	81	89
41	80	80	82	82	84	85	87	88	87	86	85	81	88
42	81	83	76	83	86	86	85	85	89	85	85	83	89
43	83	79	80	83	85	88	87	85	87	87	84	84	88
44	86	82	81	83	82	83	84	83	86	86	82	80	86
45	82	82	81	82	84	86	86	85	85	85	85	81	86
46	81	81	80	79	86	88	87	89*	88	91	86	83	91*
47	82	88	84	82	83	85	86	85	85	86	83	79	88
48	80	81	80	82	82	86	84	85	85	84	80	77	86
49	77	80	78	78*									80*
63								87*	86*	85*	83*	82*	87*
64	80*	80*	81*	80	84	85	84	86	85	84	82	81	86*
65	79	77	80	81	84	84	88	86	87	87	83	80	88
66	78	80	81	82	85*	86	86	86	88	86	83	83	88*
67	81	80	81	84	86	88	86	87	90	86	82	81	90
68	79	80	82	83	86	87	88	90	89	88	86	85	90
69	78	82	80	81	84	87	86	86	85	85	84	81	87
70	81	81	81	82	85	85	85	86	87	86	83	81	87
71	78	82	80	81	83	84	84	85	85	84	81	80	85
72	79	78	82	80	83	86	85	85	87	89	82	78	89
73	80	80	80	81	81	84	85	85	85	85	84	82	85
74	82	81	82	83	84	86	86	90	87	85	82	82	90
75	79	79	80	82	83	84	83	83	84	84	82	82	84
76	81	79	80	79	83	84	85	86	86	87	84	82	87
77	81	83	81	83	83	86	85	88	88	88	86	84	88
78	81	81	84	84	84	86	89	89	88	86	84	82	89
79	79	82	82	82	85	86	89	91	90	89	85	84	91
80	85	83	81	84	86	87	88	89	90	91	87	89	91
81	85	85	83	84	85	88	89	89	89	88	85	83	89
82	82	83	82	83	85	87	89	91	88	89	86	81	91
83	80	82	84	85	86	85	87	88	88	85	87	86	88
84	83	82	86	84	87	87	89	89	90	90	84	83	90
85	82	83	79	84	34	87	89	91	88	87	85	83	91

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER:	STATION NAME:	PERIOD OF RECORD: 3906-4904,6308-8903											
		MONTH: ALL HOURS: ALL											
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	81	84	87	86	87	89	89	92	91	86	86	92*	
87	83	81	85	84	89	88	89	90	90	89	85	84	90
88	85	84	85	85	88	88	91	93	91	90	90	84*	93*
89	87	83	86										87*
GREATEST	87	88	87	86	89	89	91	93	91	91	90	89	93
TOTAL OBS	1081	1006	1104	1038	1044	1049	79	1092	1039	1105	1053	1071	12761

THE GREATEST VALUE OF 93 OCCURRED ON 08/02/88

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 11700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: 3906-4904,6308-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
39						64	64	64	62	65	62	58	58*
40	55	53	55	61	65	66	66	68	65	65	62	59	53
41	55	55	58	58	60	62	66	64	65	64	59	54	54
42	53	57	55	58	62	61	64	67	63	62	64	59	53
43	55	53	53	58	62	65	65	67	64	63	58	56	53
44	56	56	55	59	60	64	65	65	62	61	58	57	55
45	56	56	60	61	61	65	64	66	63	61	61	55	55
46	54	56	62	60	60	64	65	66*	60	60	59	56	54*
47	52	53	56	57	61	64	65	66	65	63	60	58	52
48	55	54	60	61	61	64	66	66	65	65	60	61	54
49	53	54	54	59*									53*
63								66*	66*	62*	61*	55*	55*
64	60*	59*	58*	61	61	63	64	65	64	62	60	61	58*
65	56	53	55	58	63	65	64	66	64	63	61	59	53
66	56	55	56	57	62*	66	65	66	66	62	61	59	55*
67	56	58	58	59	64	63	68	67	66	65	61	56	56
68	57	56	60	61	62	65	65	65	67	63	64	59	56
69	50	62	58	59	60	64	67	67	65	62	61	55	50
70	51	55	58	61	63	64	66	67	63	64	60	60	51
71	52	58	59	62	60	62	64	65	65	61	62	58	52
72	55	54	55	58	63	63	65	66	64	64	57	51	51
73	57	56	62	58	60	63	65	67	66	63	63	58	56
74	59	59	57	61	63	65	65	65	66	66	59	60	57
75	56	57	58	59	61	65	64	64	64	63	62	57	56
76	59	54	54	62	64	63	64	65	66	64	58	58	54
77	58	58	62	61	63	64	65	66	63	64	61	57	57
78	53	54	55	61	64	64	66	67	67	62	59	58	53
79	56	59	55	57	62	64	65	66	66	65	59	60	55
80	53	55	58	63	61	57	65	65	64	63	63	54	53
81	56	53	55	59	59	59	57	63	62	56	59	56	53
82	52	53	57	59	60	59	66	68	65	61	64	59	52
83	55	53	56	60	60	64	65	65	64	61	61	52	52
84	59	53	56	63	63	64	62	63	61	64	64	57	53
85	54	52	61	55	59	63	63	63	62	63	58	57	52

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: 3906-4904,6308-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	55	51	61	62	62	63	65	68		62	60	54	51*
87	59	52	53	58	56	61	61	66	65	63	61	62	52
88	59	59	60	62	65	64	67	66	66	63	64	55*	55*
89	58	58	58										58*
LEAST	50	51	53	55	56	57	57	63	60	56	57	51	50
TOTAL OBS	1081	1006	1104	1038	1044	1049	1079	1092	1039	1105	1053	1071	12761

THE LEAST VALUE OF 50 OCCURRED ON 01/20/69

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: 3906-4904,6308-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
39						72	73	74	74	73	70	69	72*
40	67	69	69	72	73	75	76	76	75	75	73	70	73
41	69	67	68	71	71	74	75	76	76	74	72	68	72
42	69	69	66	69	73	74	75	75	76	74	73	72	72
43	70	68	68	71	73	75	75	75	76	74	72	70	72
44	70	68	70	71	72	73	74	74	74	73	72	69	72
45	69	70	70	70	74	75	75	75	75	73	70	70	73
46	69	69	70	70	74	76	76	78*	75	75	72	69	72*
47	66	69	70	71	72	75	76	76	76	75	73	69	72
48	67	67	69	71	73	75	75	76	76	73	71	68	72
49	66	68	67	68*									67*
63								77*	76*	75*	73*	70*	74*
64	71*	70*	71*	71	72	75	75	76	76	74	72	72	73*
65	69	66	68	71	73	75	76	76	76	74	73	69	72
66	68	68	70	70	74*	76	76	77	76	75	73	71	73*
67	69	70	70	71	75	75	77	77	78	76	73	70	73
68	70	70	71	73	75	77	78	79	79	77	75	71	75
69	67	71	70	71	73	76	76	76	75	74	73	70	73
70	70	68	71	72	74	76	76	77	76	75	72	72	73
71	67	71	71	72	72	74	75	75	75	74	73	70	73
72	68	68	70	71	73	74	76	77	77	75	72	68	72
73	69	67	71	71	72	74	75	76	76	75	73	71	73
74	72	71	71	73	74	76	76	78	76	76	72	72	74
75	69	69	70	71	72	74	75	75	75	74	73	70	72
76	70	69	70	71	73	73	75	76	76	75	71	71	73
77	71	72	72	72	74	75	76	78	77	77	75	71	74
78	70	70	71	73	74	76	78	78	78	75	73	70	74
79	68	69	70	71	74	75	77	78	79	78	73	72	74
80	70	70	72	72	74	75	77	78	78	76	76	73	74
81	71	71	71	72	74	76	76	77	78	75	73	71	74
82	70	70	70	71	73	75	77	79	77	75	74	70	74
83	69	69	70	71	73	75	76	76	77	75	74	71	73
84	72	71	73	74	75	76	78	77	78	78	75	72	75
85	68	70	70	70	72	75	78	78	78	76	73	71	73

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: 3906-4904,6308-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	69	71	73	74	75	76	78	80	77	75	72	75*	
87	69	68	70	71	71	76	78	79	79	77	75	73	74
88	71	72	73	74	76	78	79	79	79	77	76	73*	76*
89	72	71	73										72*
MEAN	69.2	69.3	70.2	71.4	73.3	75.1	76.1	76.8	76.4	75.2	73.1	70.6	73.1
TOTAL OBS	1081	1006	1104	1038	1044	1049	1079	1092	1039	1105	1053	1071	12761

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	63.7	3.355	122	0	0	51	0	0	0	122
06-08	64.6	3.515	762	0	0	394	0	0	0	762
09-11	72.0	3.754	881	0	0	861	13	0	0	881
12-14	75.3	3.977	881	0	0	871	124	0	0	881
15-17	73.6	3.642	869	0	0	861	35	0	0	869
18-20	69.2	3.177	664	0	0	613	0	0	0	664
21-23	66.5	3.180	320	0	0	241	0	0	0	320
ALL HOURS	70.6	5.234	4499	0	0	3892	172	0	0	4499

MONTH: FEB

00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	63.7	3.705	118	0	0	54	0	0	0	118
06-08	64.3	3.833	724	0	0	373	0	0	0	724
09-11	72.2	3.714	840	0	0	819	21	0	0	840
12-14	75.6	3.908	837	0	0	828	135	0	0	837
15-17	74.2	3.804	829	0	0	814	56	0	0	829
18-20	69.5	3.254	632	0	0	585	0	0	0	632
21-23	66.5	2.981	304	0	0	235	0	0	0	304
ALL HOURS	70.9	5.586	4284	0	0	3708	212	0	0	4284

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	65.3	3.169	132	0	0	81	0	0	0	132
06-08	66.1	3.333	802	0	0	556	0	0	0	802
09-11	73.6	3.816	924	0	0	917	46	0	0	924
12-14	76.5	4.027	924	0	0	921	241	0	0	924
15-17	75.0	4.004	914	0	0	912	121	0	0	914
18-20	70.2	3.178	718	0	0	689	1	0	0	718
21-23	67.6	2.818	351	0	0	297	0	0	0	351
ALL HOURS	72.0	5.283	4765	0	0	4373	409	0	0	4765

MONTH: APR

00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	65.9	2.586	108	0	0	83	0	0	0	108
06-08	67.2	3.165	780	0	0	642	0	0	0	780
09-11	74.2	3.594	888	0	0	886	60	0	0	888
12-14	76.9	3.632	889	0	0	889	253	0	0	889
15-17	75.5	3.729	891	0	0	890	140	0	0	891
18-20	70.7	2.994	717	0	0	700	0	0	0	717
21-23	68.0	2.425	367	0	0	333	0	0	0	367
ALL HOURS	72.6	5.041	4640	0	0	4423	453	0	0	4640

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER LE 0	OF HOURS WITH LE 32	TEMPERATURES GE 65	DEG F GE 80	GE 93	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	66.4	2.760	109	0	0	87	0	0	109
06-08	69.1	3.518	798	0	0	731	0	0	798
09-11	76.5	3.813	921	0	0	914	192	0	921
12-14	79.1	3.711	917	0	0	914	486	0	917
15-17	77.6	3.909	910	0	0	910	321	0	910
18-20	72.6	3.285	726	0	0	719	7	0	726
21-23	69.5	2.348	370	0	0	358	0	0	370
ALL HOURS	74.6	5.230	4751	0	0	4633	1006	0	4751

MONTH: JUN

00-02	.0	.000	0	0	0	0	0	0	0
03-05	68.6	2.057	106	0	0	102	0	0	106
06-08	71.2	3.015	790	0	0	781	0	0	790
09-11	78.5	2.712	900	0	0	900	355	0	900
12-14	81.3	3.001	899	0	0	899	683	0	899
15-17	80.3	2.901	900	0	0	900	577	0	900
18-20	75.1	2.439	727	0	0	727	30	0	727
21-23	71.8	1.658	384	0	0	384	0	0	384
ALL HOURS	76.9	4.938	4706	0	0	4693	1645	0	4706

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	70.5	2.067	106	0	0	106	0	0	0	106
06-08	72.2	2.898	787	0	0	787	2	0	0	787
09-11	79.4	3.206	915	0	0	915	483	0	0	915
12-14	82.6	3.188	915	0	0	915	781	0	0	915
15-17	81.6	3.124	908	0	0	908	713	0	0	908
18-20	76.4	2.671	726	0	0	726	109	0	0	726
21-23	73.2	1.694	373	0	0	373	0	0	0	373
ALL HOURS	78.1	4.927	4730	0	0	4730	2088	0	0	4730

MONTH: AUG

00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	70.9	2.605	111	0	0	111	0	0	0	111
06-08	72.5	3.063	811	0	0	811	4	0	0	811
09-11	80.5	3.081	930	0	0	930	590	0	0	930
12-14	83.8	2.855	929	0	0	929	851	0	0	929
15-17	82.4	3.035	929	0	0	929	781	0	0	929
18-20	76.9	2.355	748	0	0	748	113	0	0	748
21-23	73.8	1.381	394	0	0	394	0	0	0	394
ALL HOURS	78.8	5.157	4852	0	0	4852	2339	0	0	4852

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F	LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	.0	.000	0		0	0	0	0	0	0
03-05	70.3	2.436	103		0	0	103	0	0	103
06-08	72.2	3.185	768		0	0	768	2	0	768
09-11	80.9	3.001	891		0	0	891	632	0	891
12-14	83.7	3.324	889		0	0	889	800	0	889
15-17	81.5	3.528	884		0	0	884	688	0	884
18-20	76.2	2.340	702		0	0	702	53	0	702
21-23	73.2	1.947	364		0	0	364	0	0	364
ALL HOURS	78.6	5.288	4601		0	0	4601	2175	0	4601

MONTH: OCT

00-02	.0	.000	0		0	0	0	0	0	0
03-05	69.2	2.490	109		0	0	106	0	0	109
06-08	70.8	3.173	789		0	0	770	1	0	789
09-11	79.1	3.328	921		0	0	921	455	0	921
12-14	81.8	3.287	921		0	0	921	725	0	921
15-17	79.5	3.278	914		0	0	914	467	0	914
18-20	74.4	2.387	718		0	0	718	16	0	718
21-23	72.0	2.109	341		0	0	341	0	0	341
ALL HOURS	76.9	5.213	4713		0	0	4691	1664	0	4713

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F	LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	69.0	2.922	92	0	0	87	0	0	0	92
06-08	69.6	3.139	710	0	0	667	0	0	0	710
09-11	76.5	3.674	856	0	0	856	186	0	0	856
12-14	79.2	3.766	852	0	0	851	460	0	0	852
15-17	76.8	3.473	844	0	0	840	184	0	0	844
18-20	72.6	2.631	616	0	0	609	0	0	0	616
21-23	70.7	2.456	294	0	0	290	0	0	0	294
ALL HOURS	74.8	4.763	4264	0	0	4200	830	0	0	4264

MONTH: DEC

00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	66.2	3.138	94	0	0	67	0	0	0	94
06-08	66.4	3.462	731	0	0	535	0	0	0	731
09-11	73.6	3.637	876	0	0	871	49	0	0	876
12-14	76.6	3.771	870	0	0	867	210	0	0	870
15-17	74.3	3.454	850	0	0	846	53	0	0	850
18-20	70.4	2.856	578	0	0	555	0	0	0	578
21-23	68.0	2.859	233	0	0	206	0	0	0	233
ALL HOURS	72.2	5.096	4232	0	0	3947	312	0	0	4232

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	67.3	3.823	1310	0	0	1038	0	0	0	1310
06-08	68.9	4.398	9252	0	0	7815	9	0	0	9252
09-11	76.5	4.678	10743	0	0	10681	3082	0	0	10743
12-14	79.4	4.704	10723	0	0	10694	5749	0	0	10723
15-17	77.8	4.711	10642	0	0	10608	4136	0	0	10642
18-20	73.0	3.951	8272	0	0	8091	329	0	0	8272
21-23	70.3	3.524	4095	0	0	3816	0	0	0	4095
ALL HOURS	74.8	5.948	55037	0	0	52743	13305	0	0	55037

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F	LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	61.7	3.469	122	0	122	9	0	0	0	122
06-08	62.3	3.498	762	0	762	91	0	0	0	762
09-11	66.1	3.056	881	0	881	425	4	0	0	881
12-14	67.2	2.777	881	0	881	559	8	0	0	881
15-17	66.6	2.882	869	0	869	479	2	0	0	869
18-20	65.0	3.153	664	0	664	246	0	0	0	664
21-23	63.6	3.573	320	0	320	75	0	0	0	320
ALL HOURS	65.3	3.651	4499	0	4499	1884	14	0	0	4499

MONTH: FEB

00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	61.8	3.934	117	0	116	7	0	0	0	117
06-08	61.9	3.633	724	0	722	59	0	0	0	724
09-11	65.7	2.749	840	0	840	379	0	0	0	840
12-14	66.9	2.684	837	0	837	518	2	0	0	837
15-17	66.3	2.575	829	0	829	445	0	0	0	829
18-20	64.8	2.827	632	0	632	181	0	0	0	632
21-23	63.5	2.982	304	0	304	43	0	0	0	304
ALL HOURS	65.0	3.521	4283	0	4280	1632	2	0	0	4283

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700			STATION NAME: WHEELER AFB HI			PERIOD OF RECORD: APR 79 - MAR 89					
			LST TO UTC: +10			MONTH: MAR					
HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS	
00-02	.0	.000	0	0	0	0	0	0	0	0	0
03-05	62.8	2.774	131	0	131	12	0	0	0	0	131
06-08	62.9	2.823	799	0	799	77	0	0	0	0	799
09-11	66.2	2.579	924	0	924	457	1	0	0	0	924
12-14	67.2	2.470	921	0	921	595	6	0	0	0	921
15-17	66.8	2.496	911	0	911	547	5	0	0	0	911
18-20	64.9	2.669	718	0	718	181	0	0	0	0	718
21-23	63.7	2.657	351	0	351	35	0	0	0	0	351
ALL HOURS	65.5	3.076	4755	0	4755	1904	12	0	0	0	4755
MONTH: APR											
00-02	.0	.000	0	0	0	0	0	0	0	0	0
03-05	63.2	2.532	108	0	108	10	0	0	0	0	108
06-08	63.9	2.479	780	0	780	97	0	0	0	0	780
09-11	67.0	2.141	888	0	888	546	2	0	0	0	888
12-14	67.7	2.307	889	0	889	667	8	0	0	0	889
15-17	67.2	2.203	891	0	891	582	4	0	0	0	891
18-20	65.5	2.342	717	0	717	254	0	0	0	0	717
21-23	64.5	2.384	367	0	367	71	0	0	0	0	367
ALL HOURS	66.1	2.726	4640	0	4640	2227	14	0	0	0	4640

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	64.2	2.591	109	0	109	21	0	0	0	109
06-08	65.4	2.368	798	0	798	252	0	0	0	798
09-11	68.1	2.433	921	0	921	710	16	0	0	921
12-14	68.9	2.359	917	0	917	791	31	0	0	917
15-17	68.4	2.404	910	0	910	749	21	0	0	910
18-20	66.7	2.186	726	0	726	417	2	0	0	726
21-23	65.5	2.078	370	0	370	119	0	0	0	370
ALL HOURS	67.4	2.677	4751	0	4751	3059	70	0	0	4751

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	65.9	1.608	106	0	106	47	0	0	0	106
06-08	67.0	1.850	790	0	790	474	2	0	0	790
09-11	69.7	1.567	900	0	900	876	24	0	0	900
12-14	70.6	1.505	899	0	899	892	92	0	0	899
15-17	70.4	1.587	900	0	900	888	82	0	0	900
18-20	68.4	1.36	727	0	727	653	5	0	0	727
21-23	67.3	1.369	384	0	384	273	0	0	0	384
ALL HOURS	69.1	2.165	4706	0	4706	4103	205	0	0	4706

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	67.8	1.813	106	0	106	73	2	0	0	106
06-08	68.2	1.866	787	0	787	643	8	0	0	787
09-11	70.8	1.416	914	0	914	914	121	0	0	914
12-14	71.7	1.649	915	0	915	915	247	0	0	915
15-17	71.4	1.332	908	0	908	908	196	0	0	908
18-20	69.7	1.567	725	0	725	709	41	0	0	725
21-23	68.5	1.591	373	0	373	336	3	0	0	373
ALL HOURS	70.2	2.033	4728	0	4728	4498	618	0	4728	

MONTH: AUG

00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	67.9	2.572	111	0	111	78	4	0	0	111
06-08	68.6	2.077	811	0	811	665	24	0	0	811
09-11	71.4	1.595	930	0	930	929	189	1	0	930
12-14	72.3	1.535	929	0	929	929	374	1	0	929
15-17	72.0	1.468	929	0	929	929	298	0	0	929
18-20	70.2	1.472	748	0	748	746	70	0	0	748
21-23	69.2	1.625	394	0	394	383	15	0	0	394
ALL HOURS	70.8	2.219	4852	0	4852	4659	974	2	0	4852

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F							TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80			
00-02	.0	.000	0	0	0	0	0	0	0	0	0
03-05	67.9	2.308	103	0	103	73	2	0	0	103	
06-08	68.5	2.084	768	0	768	633	13	0	0	768	
09-11	71.6	1.574	891	0	891	890	230	0	0	891	
12-14	72.4	1.445	889	0	889	889	386	1	0	889	
15-17	71.9	1.644	884	0	884	881	293	1	0	884	
18-20	70.0	1.555	702	0	702	688	50	0	0	702	
21-23	69.0	1.644	364	0	364	347	9	0	0	364	
ALL HOURS	70.8	2.264	4601	0	4601	4401	983	2	0	4601	

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F							TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80			
00-02	.0	.000	0	0	0	0	0	0	0	0	0
03-05	66.7	2.234	109	0	109	63	0	0	0	109	
06-08	67.7	2.220	789	0	789	553	14	0	0	789	
09-11	70.9	1.695	921	0	921	904	162	0	0	921	
12-14	71.6	1.785	920	0	920	913	277	0	0	920	
15-17	70.9	2.007	914	0	914	86	192	0	0	914	
18-20	69.3	1.920	718	0	718	658	36	0	0	718	
21-23	68.3	1.932	341	0	341	275	7	0	0	341	
ALL HOURS	70.0	2.529	4712	0	4712	4261	688	0	0	4712	

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	66.7	2.532	92	0	92	52	0	0	0	92
06-08	66.8	2.607	709	0	709	407	11	0	0	709
09-11	69.7	2.077	856	0	856	780	61	0	0	856
12-14	70.5	2.019	852	0	852	815	110	0	0	852
15-17	69.6	2.193	842	0	842	778	56	0	0	842
18-20	68.2	2.075	613	0	613	493	1	0	0	613
21-23	67.4	2.054	292	0	292	200	0	0	0	292
ALL HOURS	68.9	2.527	4256	0	4256	3525	239	0	0	4256

MONTH: DEC										
HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	63.9	3.254	94	0	94	19	0	0	0	94
06-08	63.9	3.561	731	0	731	167	3	0	0	731
09-11	67.5	2.850	875	0	875	604	11	0	0	875
12-14	68.5	2.826	870	0	870	688	32	0	0	870
15-17	67.7	2.860	850	0	850	612	12	0	0	850
18-20	66.2	2.973	578	0	578	300	3	0	0	578
21-23	64.8	3.014	233	0	233	74	0	0	0	233
ALL HOURS	66.7	3.503	4231	0	4231	2464	61	0	0	4231

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	.0	.000	0	0	0	0	0	0	0	0
03-05	64.9	3.629	1308	0	1307	464	8	0	1308	
06-08	65.6	3.641	9248	0	9246	4118	75	0	9248	
09-11	68.7	3.140	10741	0	10741	8414	821	1	10741	
12-14	69.7	3.060	10719	0	10719	9171	1573	2	10719	
15-17	69.1	3.110	10637	0	10637	8693	1161	1	10637	
18-20	67.5	3.116	8268	0	8268	5526	208	0	8268	
21-23	66.4	3.187	4093	0	4093	2231	34	0	4093	
ALL HOURS	68.0	3.559	55014	0	55011	38617	3880	4	55014	

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F	LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	60.5	3.937	122	0	122	15	19		122
06-08	61.0	4.084	762	0	762	84	162		762
09-11	62.9	4.045	881	0	881	48	338		881
12-14	62.9	4.081	881	0	881	46	342		881
15-17	62.8	4.070	869	0	869	54	347		869
18-20	62.7	4.052	664	0	664	40	253		664
21-23	62.0	4.442	320	0	320	29	104		320
ALL HOURS	62.4	4.254	4499	0	4499	316	1565		4499

MONTH: FEB

00-02	.0	.000	0	0	0	0	0	0	837
03-05	60.6	4.370	117	0	117	15	19		837
06-08	60.6	4.182	724	0	724	98	123		837
09-11	62.1	3.848	840	0	840	63	248		837
12-14	62.2	3.813	837	0	837	50	240		837
15-17	62.0	3.802	829	0	829	56	249		837
18-20	62.2	3.726	632	0	632	37	178		837
21-23	61.9	3.691	304	0	304	23	74		837
ALL HOURS	61.8	3.983	4283	0	4283	342	1131		4283

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F	LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	61.4	3.042	131	0	131	4	19		131
06-08	61.1	3.229	799	0	799	47	126		799
09-11	62.1	3.492	924	0	924	44	236		924
12-14	62.1	3.647	921	0	921	44	238		921
15-17	62.3	3.574	911	0	911	35	245		911
18-20	61.9	3.324	718	0	718	30	144		718
21-23	61.5	3.261	351	0	351	17	48		351
ALL HOURS	61.9	3.541	4755	0	4755	221	1056		4755

MONTH: APR

00-02	.0	.000	0	0	0	0	0	0	889
03-05	61.6	3.184	108	0	108	5	22		889
06-08	62.1	2.759	780	0	780	25	143		889
09-11	63.0	3.091	888	0	888	21	293		889
12-14	62.8	3.284	889	0	889	19	284		889
15-17	62.7	3.106	891	0	891	24	254		889
18-20	62.6	3.034	717	0	717	21	198		889
21-23	62.6	2.955	367	0	367	10	90		889
ALL HOURS	62.6	3.181	4640	0	4640	125	1284		4640

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY

HOURS LST	MEAN DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
			LE 27	GE 37	LE 55	GE 65	
00-02	.0 .000	0	0	0	0	0	0
03-05	63.0 2.813	109	0	109	3	35	109
06-08	63.4 2.675	798	0	798	7	278	798
09-11	63.8 3.249	921	0	921	12	401	921
12-14	63.6 3.502	917	0	917	17	394	917
15-17	63.6 3.381	910	0	910	19	372	910
18-20	63.6 3.166	726	0	726	12	287	726
21-23	63.3 2.661	370	0	370	4	124	370
ALL HOURS	63.6 3.252	4751	0	4751	74	1891	4751

MONTH: JUN

00-02	.0 .000	0	0	0	0	0	899
03-05	64.5 2.232	106	0	106	0	53	899
06-08	64.8 2.167	790	0	790	1	454	899
09-11	65.4 2.455	900	0	900	1	598	899
12-14	65.4 2.660	899	0	899	0	561	899
15-17	65.5 2.582	900	0	900	2	569	899
18-20	65.1 2.358	727	0	727	0	435	899
21-23	64.9 2.105	384	0	384	0	225	899
ALL HOURS	65.2 2.516	4706	0	4706	4	2895	4706

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	66.5	2.317	106	0	106	0	83	106
06-08	66.3	2.170	787	0	787	0	634	787
09-11	66.8	2.580	914	0	914	0	727	914
12-14	66.5	2.621	915	0	915	0	687	915
15-17	66.6	2.692	908	0	908	0	691	908
18-20	66.4	2.229	725	0	725	0	572	725
21-23	66.3	2.176	373	0	373	0	287	373
ALL HOURS	66.5	2.558	4728	0	4728	0	3681	4728

MONTH: AUG

00-02	.0	.000	0	0	0	0	0	929
03-05	66.5	2.963	111	0	111	1	82	929
06-08	66.8	2.413	811	0	811	0	685	929
09-11	67.1	2.458	930	0	930	0	791	929
12-14	67.0	2.770	929	0	929	0	756	929
15-17	67.1	2.655	929	0	929	0	762	929
18-20	67.0	2.092	748	0	748	0	650	929
21-23	67.1	2.101	394	0	394	0	342	929
ALL HOURS	67.0	2.610	4852	0	4852	1	4068	4852

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN LE 27	NUMBER OF HOURS WITH GE 37	LE 55	DEG F GE 65	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0
03-05	66.8	2.688	103	0	103	0	84	103
06-08	66.8	2.117	768	0	768	0	648	768
09-11	67.2	2.399	891	0	891	0	775	891
12-14	67.2	2.554	889	0	889	0	763	889
15-17	67.4	2.425	884	0	884	0	768	884
18-20	67.2	2.142	702	0	702	0	627	702
21-23	67.1	1.913	364	0	364	0	326	364
ALL HOURS	67.2	2.455	4601	0	4601	0	3991	4601

MONTH: OCT

00-02	.0	.000	0	0	0	0	0	920
03-05	65.4	2.430	109	0	109	0	78	920
06-08	66.2	2.573	789	0	789	0	600	920
09-11	66.9	2.501	921	0	921	0	778	920
12-14	66.9	2.753	920	0	920	0	748	920
15-17	66.9	2.810	914	0	914	0	743	920
18-20	66.8	2.397	718	0	718	0	599	920
21-23	66.5	2.409	341	0	341	0	264	920
ALL HOURS	66.7	2.716	4712	0	4712	0	3810	4712

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65		
00-02	.0	.000	0	0	0	0	0	0	0
03-05	65.6	2.863	92	0	92	0	59	92	
06-08	65.5	3.024	709	0	709	2	451	709	
09-11	65.4	2.782	856	0	856	2	652	856	
12-14	66.3	3.061	852	0	852	0	619	852	
15-17	66.2	2.824	842	0	842	0	613	842	
18-20	66.0	2.586	613	0	613	0	442	613	
21-23	65.7	2.727	292	0	292	2	193	292	
ALL HOURS	65.1	2.953	4256	0	4256	6	3029	4256	

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65		
00-02	.0	.000	0	0	0	0	0	0	870
03-05	62.7	3.682	94	0	94	4	31	870	
06-08	62.5	4.174	731	0	731	54	241	870	
09-11	64.4	3.928	875	0	875	27	486	870	
12-14	64.4	3.988	870	0	870	18	475	870	
15-17	64.2	4.021	850	0	850	28	449	870	
18-20	64.0	3.887	578	0	578	18	298	870	
21-23	63.1	3.853	233	0	233	9	83	870	
ALL HOURS	63.8	4.076	4231	0	4231	158	2063	4231	

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	63.6	3.958	1308	0	1308	47	584	1308
06-08	64.0	3.872	9248	0	9248	318	4545	9248
09-11	64.9	3.747	10741	0	10741	218	6323	10741
12-14	64.8	3.861	10719	0	10719	194	6107	10719
15-17	64.8	3.820	10637	0	10637	218	6062	10637
18-20	64.6	3.616	8268	0	8268	158	4683	8268
21-23	64.4	3.609	4093	0	4093	94	2160	4093
ALL HOURS	64.6	3.797	55014	0	55014	1247	30464	55014

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	
00-02										
03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.4	91.8	70.5	89.6
06-08	100.0	100.0	100.0	100.0	100.0	99.9	96.2	87.4	61.5	88.5
09-11	100.0	100.0	100.0	99.9	99.5	90.0	63.3	31.6	13.6	74.2
12-14	100.0	100.0	100.0	99.8	96.7	70.3	33.1	17.6	7.2	66.6
15-17	100.0	100.0	100.0	99.9	97.9	83.3	45.5	18.7	8.7	69.9
18-20	100.0	100.0	100.0	100.0	100.0	99.4	86.4	53.2	23.3	80.3
21-23	100.0	100.0	100.0	100.0	100.0	100.0	95.0	78.4	45.6	85.7
All Hours	100.0	100.0	100.0	99.9	98.9	88.9	66.1	44.0	24.8	85.7
										4499

MONTH: FEB

00-02										
03-05	100.0	100.0	100.0	100.0	100.0	99.1	98.3	92.3	73.5	90.0
06-08	100.0	100.0	100.0	100.0	100.0	99.0	97.5	86.9	60.2	88.2
09-11	100.0	100.0	100.0	100.0	98.3	86.0	53.1	25.6	10.7	71.5
12-14	100.0	100.0	100.0	99.5	92.8	64.2	25.7	11.4	4.3	64.1
15-17	100.0	100.0	100.0	100.0	96.1	74.8	34.1	14.0	7.0	66.7
18-20	100.0	100.0	100.0	100.0	99.8	98.4	79.3	44.5	16.5	78.0
21-23	100.0	100.0	100.0	100.0	100.0	99.7	96.4	81.3	39.1	85.3
All Hours	100.0	100.0	100.0	99.9	97.5	84.9	59.7	39.5	21.7	85.3
										4283

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.2	88.5	54.2	87.5	131
06-08	100.0	100.0	100.0	100.0	100.0	99.9	96.0	75.3	38.8	84.5	799
09-11	100.0	100.0	100.0	100.0	98.7	78.8	40.3	15.9	5.3	68.2	924
12-14	100.0	100.0	100.0	99.9	89.8	54.2	20.7	10.4	3.1	62.0	921
15-17	100.0	100.0	100.0	99.7	95.5	69.8	30.7	13.1	5.3	65.6	911
18-20	100.0	100.0	100.0	100.0	99.7	97.9	70.5	33.1	9.9	75.4	718
21-23	100.0	100.0	100.0	100.0	100.0	99.7	92.6	61.0	17.1	80.9	351
ALL HOURS	100.0	100.0	100.0	99.9	96.9	80.9	54.1	32.2	13.4	80.9	4755

MONTH: APR

00-02										.0	0
03-05	100.0	100.0	100.0	100.0	100.0	100.0	97.2	82.4	49.1	86.3	108
06-08	100.0	100.0	100.0	100.0	100.0	99.6	94.4	74.7	40.0	84.1	780
09-11	100.0	100.0	100.0	100.0	99.1	84.0	43.0	17.2	5.6	69.0	888
12-14	100.0	100.0	100.0	100.0	91.1	59.7	21.9	7.4	2.6	62.7	889
15-17	100.0	100.0	100.0	100.0	96.5	71.5	27.5	11.3	3.7	65.3	891
18-20	100.0	100.0	100.0	100.0	100.0	98.5	72.7	36.4	10.3	76.1	717
21-23	100.0	100.0	100.0	100.0	100.0	100.0	95.4	69.8	26.2	82.9	367
ALL HOURS	100.0	100.0	100.0	100.0	97.5	83.4	54.6	32.5	13.8	82.9	4640

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY

HOURS L T	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.1	93.6	65.1	88.7	109
06-08	100.0	100.0	100.0	100.0	100.0	99.5	90.7	66.5	30.5	82.6	798
09-11	100.0	100.0	99.9	99.6	96.1	74.6	32.7	10.4	2.8	65.8	921
12-14	100.0	100.0	99.7	99.3	86.7	46.5	15.3	5.0	1.4	60.0	917
15-17	100.0	100.0	99.8	99.5	93.4	61.3	23.2	9.5	3.7	63.1	910
18-20	100.0	100.0	100.0	99.9	99.4	95.3	64.3	26.9	9.9	74.0	726
21-23	100.0	100.0	100.0	100.0	100.0	98.9	93.2	59.5	17.3	80.8	370
ALL HOURS	100.0	100.0	99.9	99.7	95.3	76.4	48.3	26.9	11.0	80.8	4751

MONTH: JUN

00-02										.0	0
03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.1	91.5	47.2	87.2	106
06-08	100.0	100.0	100.0	100.0	100.0	100.0	90.3	57.5	22.4	80.9	790
09-11	100.0	100.0	100.0	100.0	96.9	70.1	27.6	7.1	1.4	64.8	900
12-14	100.0	100.0	100.0	100.0	85.0	39.5	10.9	4.0	1.9	59.2	899
15-17	100.0	100.0	100.0	99.7	90.9	52.3	17.9	5.1	1.4	61.4	900
18-20	100.0	100.0	100.0	100.0	100.0	94.6	58.5	16.8	4.4	71.8	727
21-23	100.0	100.0	100.0	100.0	100.0	99.5	92.7	43.0	13.0	79.3	384
ALL HOURS	100.0	100.0	100.0	99.9	94.8	72.7	44.7	20.9	7.5	79.3	4706

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02										.0	0
03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	89.6	48.1	87.4	106
06-08	100.0	100.0	100.0	100.0	100.0	99.9	91.7	63.0	25.4	82.2	787
09-11	100.0	100.0	100.0	100.0	96.9	71.2	33.8	11.9	2.8	66.3	914
12-14	100.0	100.0	100.0	100.0	82.1	40.3	13.0	4.3	1.0	59.2	915
15-17	100.0	100.0	100.0	99.9	88.0	51.3	16.4	5.5	2.3	61.1	908
18-20	100.0	100.0	100.0	100.0	99.7	92.3	59.0	15.9	3.9	71.7	725
21-23	100.0	100.0	100.0	100.0	100.0	100.0	94.9	42.6	9.4	79.3	373
ALL HOURS	100.0	100.0	100.0	100.0	93.6	72.3	46.3	22.5	7.8	79.3	4728

MONTH: AUG											
00-02										.0	0
03-05	100.0	100.0	100.0	100.0	100.0	100.0	97.3	86.5	43.2	86.0	111
06-08	100.0	100.0	100.0	100.0	100.0	99.9	93.7	64.4	28.0	82.6	811
09-11	100.0	100.0	100.0	100.0	96.7	65.5	26.7	7.4	1.6	64.6	930
12-14	100.0	100.0	100.0	99.9	82.8	36.3	11.0	3.3	.9	58.0	929
15-17	100.0	100.0	100.0	99.9	89.7	47.7	14.4	4.1	.9	60.5	929
18-20	100.0	100.0	100.0	100.0	100.0	96.0	62.8	14.0	2.5	72.1	748
21-23	100.0	100.0	100.0	100.0	100.0	100.0	97.2	44.7	9.4	79.9	394
ALL HOURS	100.0	100.0	100.0	100.0	94.1	70.5	45.4	21.4	7.5	79.9	4852

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.0	93.2	55.3	88.6	103
06-08	100.0	100.0	100.0	100.0	100.0	100.0	96.0	68.4	32.6	83.7	768
09-11	100.0	100.0	100.0	100.0	96.4	65.4	21.0	5.	1.6	63.7	891
12-14	100.0	100.0	100.0	99.6	86.7	35.8	12.0	4.2	2.0	58.4	889
15-17	100.0	100.0	100.0	99.9	95.9	54.6	19.5	8.0	4.5	63.2	884
18-20	100.0	100.0	100.0	100.0	100.0	99.0	72.8	17.4	3.3	74.1	702
21-23	100.0	100.0	100.0	100.0	100.0	100.0	97.8	57.7	14.6	81.4	364
ALL HOURS	100.0	100.0	100.0	99.9	96.0	72.0	47.2	24.2	9.9	81.4	4601

MONTH: OCT

00-02										.0	0
03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.1	91.7	52.3	87.8	109
06-08	100.0	100.0	100.0	100.0	100.0	99.9	97.8	75.4	40.8	85.9	789
09-11	100.0	100.0	100.0	100.0	98.3	76.4	34.2	11.3	3.8	67.1	921
12-14	100.0	100.0	100.0	100.0	93.0	49.1	15.8	5.9	2.6	61.4	920
15-17	100.0	100.0	100.0	100.0	98.1	76.0	28.6	9.5	3.4	66.1	914
18-20	100.0	100.0	100.0	100.0	100.0	99.6	85.8	34.1	9.2	77.8	718
21-23	100.0	100.0	100.0	100.0	100.0	100.0	99.4	66.3	21.1	83.0	341
ALL HOURS	100.0	100.0	100.0	100.0	97.9	80.7	54.2	29.9	12.9	83.0	4712

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02										.0	0
03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.2	60.9	89.0	92
06-08	100.0	100.0	100.0	100.0	100.0	100.0	97.6	82.8	49.1	87.0	709
09-11	100.0	100.0	100.0	100.0	99.5	88.3	53.9	22.0	9.7	71.9	856
12-14	100.0	100.0	100.0	100.0	95.5	67.6	28.4	13.7	5.2	65.8	852
15-17	100.0	100.0	100.0	100.0	99.5	89.2	46.7	17.6	6.8	70.6	842
18-20	100.0	100.0	100.0	100.0	100.0	99.7	91.2	48.3	16.2	80.1	613
21-23	100.0	100.0	100.0	100.0	100.0	100.0	95.9	73.6	36.3	84.6	292
ALL HOURS	100.0	100.0	100.0	100.0	98.9	89.0	63.9	38.4	18.6	84.6	4256

	MONTH: DEC										
	00-02									.0	0
03-05	100.0	100.0	100.0	100.0	100.0	100.0	97.9	89.4	69.1	88.7	94
06-08	100.0	100.0	100.0	100.0	100.0	99.7	96.6	83.6	57.0	87.6	731
09-11	100.0	100.0	100.0	100.0	99.5	90.9	60.1	28.1	14.7	73.7	875
12-14	100.0	100.0	100.0	99.8	97.4	72.4	33.0	14.7	6.8	66.8	870
15-17	100.0	100.0	100.0	100.0	99.6	88.7	51.6	22.0	11.1	71.5	850
18-20	100.0	100.0	100.0	100.0	100.0	99.5	88.6	55.0	19.0	80.5	578
21-23	100.0	100.0	100.0	100.0	100.0	100.0	97.0	76.0	38.2	84.7	233
ALL HOURS	100.0	100.0	100.0	100.0	99.3	90.0	65.9	41.4	22.8	84.7	4231

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05	100.0	100.0	100.0	100.0	100.0	99.9	98.6	90.1	57.4	88.1	1308
06-08	100.0	100.0	100.0	100.0	100.0	99.8	94.8	73.5	40.1	84.7	9248
09-11	100.0	100.0	100.0	100.0	98.0	78.3	40.5	16.0	6.1	68.3	10741
12-14	100.0	100.0	100.0	99.8	89.9	52.7	19.9	8.4	3.2	61.9	10719
15-17	100.0	100.0	100.0	99.9	95.0	68.0	29.4	11.4	4.8	65.3	10637
18-20	100.0	100.0	100.0	100.0	99.9	97.4	73.7	32.1	10.3	75.8	8268
21-23	100.0	100.0	100.0	100.0	100.0	99.8	95.6	61.5	22.6	82.1	4093
ALL HOURS	100.0	100.0	100.0	99.9	96.7	79.9	53.9	30.9	14.1	71.9	55014

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	FFFFFFF
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	FFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPPP	AA AA	RRRRRRRR	TT	FFFFF
PPPPPPPP	AAAAAAA	RRRRRRR	TT	FFFFF
PP	AAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI PERIOD OF RECORD: APR 79 - MAR 89  
LST TO UTC: +10

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0200	MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0500	MEAN	1015.9	1014.6	1016.9	1017.4	1016.5	1016.6	1015.6	1014.8	1013.9	1014.6	1014.8	1015.5	1015.6
	SD	2.848	3.213	3.087	2.081	1.996	1.565	1.456	1.707	1.620	1.639	2.875	3.039	2.586
	TOT OBS	120	117	132	108	109	106	106	111	103	109	92	94	1307
0800	MEAN	1016.4	1016.0	1018.4	1018.6	1017.8	1017.8	1017.0	1016.3	1015.5	1016.0	1016.7	1016.2	1016.9
	SD	3.216	3.624	2.903	2.476	1.948	1.428	1.464	1.559	1.475	1.781	2.571	3.199	2.600
	TOT OBS	293	280	308	295	307	300	303	310	297	307	284	291	3575
1100	MEAN	1016.9	1016.4	1018.8	1018.7	1017.8	1017.8	1017.1	1016.4	1015.6	1016.1	1016.8	1016.4	1017.1
	SD	3.141	3.614	2.836	2.501	1.960	1.487	1.492	1.593	1.496	1.780	2.603	3.148	2.591
	TOT OBS	291	280	308	295	307	300	305	310	297	307	284	292	3576
1400	MEAN	1014.3	1014.0	1016.8	1017.1	1016.6	1016.8	1016.0	1015.0	1014.0	1014.1	1014.5	1014.0	1015.3
	SD	3.123	3.539	2.791	2.418	1.897	1.454	1.505	1.589	1.459	1.788	2.585	3.180	2.670
	TOT OBS	291	279	308	296	305	299	305	310	295	307	283	288	3566
1700	MEAN	1014.4	1013.9	1016.4	1016.4	1015.9	1016.2	1015.3	1014.4	1013.6	1014.2	1014.7	1014.3	1015.0
	SD	3.198	3.481	2.768	2.358	1.860	1.369	1.486	1.557	1.455	1.780	2.594	3.094	2.534
	TOT OBS	285	273	298	296	301	300	300	309	293	303	278	280	3516
2000	MEAN	1016.2	1015.5	1018.1	1017.9	1017.3	1017.3	1016.4	1015.8	1015.1	1015.8	1016.3	1016.3	1016.5
	SD	3.192	3.607	2.771	2.318	1.901	1.410	1.540	1.525	1.501	1.763	2.639	2.629	2.487
	TOT OBS	194	183	219	209	203	210	209	218	199	204	171	149	2368
2300	MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL HOURS	MEAN	1015.7	1015.1	1017.6	1017.7	1017.0	1017.1	1016.3	1015.5	1014.7	1015.2	1015.7	1015.4	1016.1
	SD	3.315	3.683	2.993	2.556	2.060	1.581	1.643	1.758	1.708	1.992	2.802	3.266	2.722
	TOT OBS	1474	1412	1573	1499	1532	1515	1528	1568	1484	1537	1392	1394	17908

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700			STATION NAME: WHEELER AFB HI			PERIOD OF RECORD: APR 79 - MAR 89											
HOURS (LST)	STATS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN		
0200	MEAN		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500	MEAN		30.02	29.99	30.06	30.07	30.05	30.06	30.03	30.01	29.98	30.00	30.00	30.02	30.02	30.02	30.02
	SD		.092	.096	.091	.061	.060	.046	.044	.048	.048	.049	.087	.090	.090	.077	.077
	TOT OBS		122	118	132	108	109	106	106	111	103	109	92	94	1310		
0800	MEAN		30.04	30.02	30.10	30.10	30.08	30.09	30.07	30.05	30.03	30.04	30.05	30.03	30.06	30.03	30.06
	SD		.099	.107	.084	.072	.058	.042	.043	.046	.043	.052	.078	.095	.095	.077	.077
	TOT OBS		294	280	308	296	307	300	303	310	297	307	285	291	3578		
1100	MEAN		30.05	30.04	30.11	30.11	30.09	30.09	30.07	30.05	30.03	30.04	30.06	30.04	30.07	30.04	30.07
	SD		.097	.107	.083	.073	.059	.043	.043	.047	.044	.052	.078	.094	.094	.077	.077
	TOT OBS		293	280	308	296	307	300	305	310	297	307	284	292	3579		
1400	MEAN		29.98	29.97	30.05	30.06	30.05	30.06	30.04	30.01	29.98	29.98	29.99	29.97	29.97	30.01	30.01
	SD		.097	.105	.083	.074	.058	.043	.045	.047	.043	.052	.078	.094	.094	.080	.080
	TOT OBS		293	279	308	297	305	299	305	310	295	307	284	289	3571		
1700	MEAN		29.98	29.96	30.04	30.04	30.03	30.04	30.02	29.99	29.97	29.98	29.99	29.98	29.98	30.00	
	SD		.098	.105	.081	.072	.057	.042	.044	.046	.042	.052	.079	.093	.093	.076	.076
	TOT OBS		285	273	298	297	301	300	300	309	293	303	278	280	3517		
2000	MEAN		30.03	30.01	30.09	30.08	30.07	30.07	30.05	30.03	30.01	30.03	30.04	30.03	30.05		
	SD		.096	.106	.080	.070	.057	.042	.045	.046	.043	.051	.078	.079	.079	.073	.073
	TOT OBS		194	183	219	209	203	210	209	218	199	204	171	149	2368		
2300	MEAN		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL HOURS	MEAN		30.01	30.00	30.08	30.08	30.06	30.07	30.05	30.02	30.00	30.01	30.02	30.01	30.04		
	SD		.102	.109	.088	.076	.062	.047	.048	.052	.050	.059	.084	.097	.097	.081	.081
	TOT OBS		1481	1413	1573	1503	1532	1515	1528	1568	1484	1537	1394	1395	17923		

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0200	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0500	MEAN	29.11	29.08	29.17	29.16	29.14	29.15	29.12	29.10	29.08	29.10	29.10	29.11	29.12
	SD	.089	.108	.059	.055	.057	.038	.042	.046	.046	.046	.089	.082	.073
	TOT OBS	122	117	132	107	108	107	105	111	106	105	94	96	1310
0800	MEAN	29.13	29.12	29.19	29.19	29.18	29.18	29.16	29.14	29.12	29.13	29.14	29.13	29.15
	SD	.096	.103	.08	.070	.056	.039	.040	.042	.040	.049	.074	.091	.074
	TOT OBS	292	282	306	297	307	301	301	313	295	308	285	291	3578
1100	MEAN	29.15	29.13	29.21	29.20	29.18	29.18	29.16	29.15	29.13	29.14	29.15	29.14	29.16
	SD	.093	.103	.080	.071	.056	.041	.041	.043	.040	.049	.075	.090	.073
	TOT OBS	293	280	308	296	307	300	305	310	297	307	284	292	3579
1400	MEAN	29.07	29.07	29.15	29.15	29.14	29.15	29.13	29.11	29.08	29.08	29.09	29.07	29.11
	SD	.094	.102	.079	.070	.054	.040	.041	.044	.041	.050	.075	.091	.077
	TOT OBS	293	279	308	297	305	299	305	310	295	307	284	289	3571
1700	MEAN	29.08	29.06	29.14	29.13	29.12	29.13	29.11	29.09	29.07	29.08	29.09	29.08	29.10
	SD	.094	.102	.077	.068	.053	.038	.040	.044	.041	.050	.075	.090	.073
	TOT OBS	285	273	298	297	301	300	300	309	293	303	278	280	3517
2000	MEAN	29.13	29.11	29.18	29.18	29.16	29.17	29.14	29.13	29.11	29.12	29.14	29.13	29.14
	SD	.092	.102	.078	.067	.054	.040	.041	.042	.040	.047	.074	.075	.070
	TOT OBS	194	183	219	209	203	210	209	218	199	204	171	149	2368
2300	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL HOURS	MEAN	29.11	29.10	29.17	29.17	29.16	29.16	29.14	29.12	29.10	29.11	29.12	29.10	29.13
	SD	.098	.107	.082	.073	.059	.044	.045	.048	.047	.055	.081	.093	.077
	TOT OBS	1479	1414	1571	1503	1531	1517	1525	1571	1485	1534	1396	1397	17923

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	GGGGGG
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	GGGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPP	AA AA	RRRRRRRR	TT	GG
PPPPPPPP	AAAAAAA	RRRRRRR	TT	GG GGGG
PP	AAAAAAA	RR RR	TT	GG GGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 911700      STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	.8			122	1.3	.1		762	3.5	.2		881
CATEGORY B				0	.8			122	3.4	1.8	.4	762	8.1	2.6	.3	881
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	7.9	.5	881		6.3	.7		869	2.3	.3		664	.9			320
CATEGORY B	14.4	6.0	.5	881	10.7	4.7	.2	869	4.2	2.0	.5	664	2.5	.9		320
TIME (LST)	0600 - 2000								ALL		HOURS					
SPEED KTS	GE10	GE15	GE25	OBS					GE10	GE15	GE25	OBS				
CATEGORY A				4057					4.1	.3			4499			
CATEGORY B				4057					7.9	3.3	.3		4499			

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0		.8		118		.7	.1	724		2.5	.2	840
CATEGORY B				0		1.7	.8	118		2.9	.8	724		8.0	2.7	840
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	8.6	.7		837	7.0	.1		829		2.1		632		1.0		304
CATEGORY B	17.4	6.0	.1	837	14.4	5.2	.1	829		5.7	1.6	632		2.0	.7	304
TIME (LST)	0600 - 2000								ALL		HOURS					
SPEED KTS		GE10	GE15	GE25				OBS			GE10	GE15	GE25		OBS	
CATEGORY A		4.4	.3					3862			4.0	.2			4284	
CATEGORY B		10.1	3.4	.1				3862			9.3	3.2	.0		4284	

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 911700    STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	.8			132	.4			802	2.1	.1		924
CATEGORY B				0	1.5	.8		132	1.9	.6		802	6.9	2.3		924
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.1	.4		924	3.7	.1		914	1.3			718	.9	.3		351
CATEGORY B	12.4	3.5		924	7.5	2.6		914	3.3	1.4		718	2.3	.9		351
TIME (LST)	0600 - 2000								ALL HOURS							
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				2.6	.1			4282				2.4	.1			4765
CATEGORY B				6.7	2.1			4282				6.2	2.0			4765

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0				108				780	1.9	.1		888
CATEGORY B				0				108	.9			780	6.9	1.1		888
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.3			889	4.3			891	.8			717	.3			367
CATEGORY B	11.4	2.9		889	9.7	1.0		891	2.1	.6		717	.5	.5		367
TIME (LST)	0600 - 2000								ALL HOURS							
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				4165	2.4	.0			2.2	.0		4640				
CATEGORY B				4165	6.5	1.2			5.9	1.1		4640				

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0				109				798		1.1		921
CATEGORY B				0				109	.4			798	4.5	.8		921
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.4			917	1.8			910				726				370
CATEGORY B	8.9	2.0		917	7.6	1.1		910	1.2	.3		726		.3		370
TJME (LST)	0600 - 2000				ALL HOURS											
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				1.1				4272				1.0				4751
CATEGORY B				4.8	.9			4272				4.3	.8			4751

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS												
CATEGORY A				0				106				790	.4			900
CATEGORY B				0				106				790	3.8	.1		900

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS												
CATEGORY A	1.0			899	1.1			900	.1			727				384
CATEGORY B	6.6	.4		899	4.6	.7		900	.6			727	.3			384

TIME (LST)	0600 - 2000								ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.6			4216				.5				4706
CATEGORY B	3.3	.3		4216				3.0	.2			4706

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0				106				787		1.2		915
CATEGORY B				0	.9	.9		106	.3	.3		787	4.0	.3		915
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.2			915	1.5	.1		908	.1			726				373
CATEGORY B	8.1	1.4		915	5.2	.8		908	1.1	.3		726	.5	.3		373
TIME (LST)	0600 - 2000				ALL HOURS											
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				1.1	.0			4251				1.0	.0			4730
CATEGORY B				4.0	.6			4251				3.6	.6			4730

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	.9	.9		111	.4		811		.9		930	
CATEGORY B				0	.9	.9		111	.5		811	4.6	.4		930	
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.0			929	1.4			929	.1		748			394		
CATEGORY B	7.5	.9		929	4.7	.6		929	.3		748			394		
TIME (LST)	0600 - 2000								ALL		HOURS					
SPEED KTS				GE10	GE15	GE25	OBS				GE10	GE15	GE25	OBS		
CATEGORY A				1.0				4347			.9	.0		4852		
CATEGORY B				3.7	.4			4347			3.4	.4		4852		

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 911700      STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0				103				768	.8			891
CATEGORY B				0				103	.1			768	2.1	.6		891
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.5			889	1.0			884				702				364
CATEGORY B	7.5	1.0		889	3.7	.1		884	.1			702				364
TIME (LST)	0600 - 2000				ALL HOURS											
SPEED KTS					GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A					.7			4134				.6				4601
CATEGORY B					2.9	.4		4134				2.6	.3			4601

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0				109				789	2.1	.1		921
CATEGORY B				0				109				789	3.6	1.0		921
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.8	.2	921		1.6			914	.1			718	.3			341
CATEGORY B	7.5	2.3	.1	921	5.1	.8		914	.3			718	.3			341
TIME (LST)	0600 - 2000								ALL HOURS							
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				1.4	.1			4263				1.3	.1			4713
CATEGORY B				3.5	.9	.0		4263				3.2	.8	.0		4713

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 911700

STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100					
SPEED (KTS)	GE10	GE15	GE25	OBS														
CATEGORY A				0				92		1.4			711		2.9	.4	856	
CATEGORY B				0				92		2.4	.8		711		7.6	2.5	.1	856
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300					
SPEED (KTS)	GE10	GE15	GE25	OBS														
CATEGORY A	5.0	.8		852	3.3	.4		844	.6	.2	.2	616	.3				294	
CATEGORY B	11.6	4.0	.5	852	7.0	2.8	.2	844	1.1	.3	.2	616	.7	.3			294	
TIME (LST)	0600 - 2000				ALL HOURS													
SPEED KTS	GE10	GE15	GE25	OBS														
CATEGORY A				2.8	.4	.0	3879					2.6	.3	.0	4265			
CATEGORY B				6.4	2.2	.2	3879					5.8	2.1	.2	4265			

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0		1.1		94		1.2	.1	731		4.6	.3	876
CATEGORY B				0		3.2	1.1	94		3.7	1.0	731		8.9	3.2	876
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	7.7	.7		870	5.4	.4		850		1.9		578				233
CATEGORY B	13.6	6.8	.3	870	11.3	4.6	.1	850		3.8	1.4	578		2.1		233
TIME (LST)	0600 - 2000								ALL		HOURS					
SPEED KTS	GE10				GE15				GE10		GE15		GE25		OBS	
CATEGORY A					4.4	.3		3905			4.1	.3			4232	
CATEGORY B					8.7	3.6	.1	3905			8.2	3.4	.1		4232	

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 060-240

STATION NUMBER: 911700      STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0	.4	.1		1310	.4	.0		9253	2.0	.1		10743
CATEGORY B				0	.8	.4		1310	1.3	.4	.0	9253	5.7	1.4	.0	10743
TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.2	.3		10723	3.2	.1		10642	.7	.0	.0	8272	.3	.0		4095
CATEGORY B	10.5	3.0	.1	10723	7.5	2.0	.1	10642	1.9	.6	.0	8272	.9	.3		4095
TIME (LST)	0600 - 2000								ALL HOURS							
SPEED KTS					GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS				
CATEGORY A					2.2	.1	.0	49633					2.0	.1	.0	55038
CATEGORY B					5.7	1.6	.1	49633					5.2	1.5	.1	55038

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	HH	HH
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPP	AA AA	RRRRRRRR	TT	HHHHHHHHHH	
PPPPPPPP	AAAAAAA	RRRRRRR	TT	HHHHHHHHHH	
PP	AAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	II	HH	HH
PP	AA AA	RR RR	TT	HH	HH

PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (\*\*\*\*) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

\*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 911700      STATION NAME: WHEELER AFB HI  
LST TO UTC: +10

PERIOD OF RECORD: JAN 41 - DEC 48

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1941	31	8										1	**** 40
1942	****		1	23									24
1943	1		4	6									11
1944			2										2
1947	17	2											19
1948	6	3											9
MEAN	9	2	4										0
SD	12.51	2.61	8.61										.35

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 911700 STATION NAME: WHEELER AFB HI  
LST TO UTC: +10 PERIOD OF RECORD: JAN 41 - DEC 48

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1941	141	77	107	184	193	276	323	351	337	291	221	****	2501
1942	****	128	74	121	252	280	321	336	322	290	273	232	2629
1943	174	104	122	201	273	321	343	348	341	324	235	186	2972
1944	160	112	170	206	232	264	314	309	304	262	227	144	2704
1945	148	160	173	182	280	317	333	338	302	306	252	163	2954
1946	****						6	348	330	212	144	1040	
1947	83	113	159	190	218	322	346	356	337	336	242	152	2854
1948	73	87	148	201	265	305	313	366	338	273	189	110	2668
MEAN	129	111	136	183	244	297	327	301	328	301	231	161	
SD	41.81	27.31	36.69	29.07	31.78	24.08	13.34	120.50	17.39	27.11	25.58	38.57	

A W S	STATION NAME: WHEELER AF3 HI LATITUDE/LONGITUDE: 21 29 N 158 02 W												FIELD ELEV: 836 FT	
CLIMATIC BRIEF (LIMITED)	HOURLY OBS POR: APR 79 - MAR 89 SUMMARY OF DAY POR: JUN 39 - APR 49 (FULL TIME), AUG 63 - MAR 89 (PART TIME) HOURS SUMMARIZED: 00-23 LST (3906-4904), 05-22 LST (6308-8903)												STATION MSC: 911700 CALL SIGN: PHHI	
MAR 90	LST TO UTC: +10												SUPERSEDES: N/A	
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
EXTRM MAX TEMP (F)	87	88	87	86	89	89	91	93	91	91	90	89	93	38
MEAN MAX TEMP (F)	76	77	77	78	81	82	83	84	84	82	80	77	80	38
MEAN TEMP (F)	69	69	70	71	73	75	76	77	76	75	73	71	73	38
MEAN MIN TEMP (F)	62	62	63	64	66	68	69	69	68	68	66	64	66	38
EXTRM MIN TEMP (F)	50	51	53	55	56	57	57	63	60	56	57	51	50	38
D/W TEMP GE 90 (F)	0	0	0	0	0	0	#	1	1	1	#	0	3	38
D/W TEMP GE 85 (F)	1	#	1	1	2	6	8	13	12	8	2	1	55	38
D/W TEMP LT 65 (F)	24	24	20	15	9	2	1	#	2	3	8	17	125	38
D/W TEMP LT 60 (F)	8	7	4	1	1	1	#	0	0	#	1	3	26	38
HEATING DEGREE DAYS	9	2	4	0	0	0	0	0	0	0	0	0	15	8
COOLING DEGREE DAYS	129	111	136	183	244	297	327	301	328	301	231	161	2749	8
MEAN DEWPONT TEMP (F)	62	62	62	63	64	65	67	67	67	67	66	64	65	10
MEAN WET BULB TEMP (F)	65	65	66	66	67	69	70	71	71	70	69	67	68	10
99.95% WCPA (FT)	1050	1100	950	900	900	850	850	900	900	900	1000	1050	1000	10
MEAN REL HUM 07 LST(%)	88.5	88.2	84.5	84.1	82.6	80.9	82.2	82.6	83.7	85.9	87.0	87.6	84.7	10
MEAN REL HUM 13 LST(%)	66.6	64.1	62.0	62.7	60.0	59.2	59.2	58.0	58.4	61.4	65.8	66.8	61.9	10
MAX 24HR PRECIP (IN)	9.51	4.31	4.66	7.42	2.93	2.43	2.32	2.18	3.39	8.08	7.26	6.10	9.51	38
MAX PRECIP (IN)	21.86	17.65	14.04	15.78	9.17	4.19	5.24	4.85	12.80	15.65	18.40	18.67	83.46	38
MEAN PRECIP (IN)	6.21	4.42	4.14	3.78	2.37	1.63	1.98	1.67	2.16	3.75	5.38	6.06	43.75	38
MIN PRECIP (IN)	.16	.34	.52	.62	.29	.45	.65	.26	.35	.49	.62	.70	17.74	38
D/W PRECIP GE .01 (IN)	16	14	16	18	16	15	16	16	15	15	17	18	192	38
D/W PRECIP GT .50 (IN)	3	2	2	2	1	1	1	1	1	1	2	3	20	38
MAX 24HR SNFL (IN)	0	0	0	0	0	0	0	0	0	0	0	0	0	27
MAX SNFL (IN)	0	0	0	0	0	0	0	0	0	0	0	0	0	27
MEAN SNFL (IN)	0	0	0	0	0	0	0	0	0	0	0	0	0	27
D/W SNFL GE .1 (IN)	0	0	0	0	0	0	0	0	0	0	0	0	0	27
D/W SNFL GE 1.5 (IN)	0	0	0	0	0	0	0	0	0	0	0	0	0	27
MAX DLY SNO DEPTH (IN)	0	0	0	0	0	0	0	0	0	0	0	0	0	27
PRVLNG WND DIR (DEG)	\$32-34	\$32-34	05-07	05-07	05-07	05-07	05-07	05-07	05-07	05-07	\$05-07	\$32-34	05-07	10
MEAN WND SPD (KTS)	5	5	5	6	5	6	6	6	5	5	5	5	5	10
MAX WND SPD (KTS)	68	48	40	38	30	30	39	31	29	34	68	43	68	24
SKY COVER GT 5/10 (%)	45.0	45.1	52.0	58.8	52.0	50.8	50.0	47.7	45.0	47.7	52.0	48.3	49.8	10
D/W THUNDERSTORMS	1	1	1	1	1	1	1	#	1	1	1	1	11	27
D/W FOG (VSBY LT 7 MI)	3	2	2	2	2	1	1	1	1	1	2	3	21	27
LEGEND: ANN = ANNUAL	POR/YOR = PERIOD/YEARS OF RECORD													
D/W = MEAN NUMBER OF DAYS WITH	WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE													
8 = BASED ON LESS THAN FULL MONTHS	# = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE													
** = INSTANTANEOUS PEAK WINDS	\$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN													
* = DATA NOT AVAILABLE	WIND DIRECTION													

CB-1

MONTH	LST	PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY														
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR	
LT 3000 FT	05 - 05	18.9	16.1	12.9	23.1	18.3	16.0	23.6	13.5	5.8	6.4	15.2	19.1	15.7	10	
	CIG	06 - 08	14.8	13.1	10.3	18.6	13.2	11.5	14.6	11.6	5.9	6.0	16.5	15.9	12.7	10
	AND/OR	09 - 11	13.1	13.5	10.8	14.9	7.8	9.2	10.6	7.2	3.0	5.8	15.0	15.5	10.5	10
	VSBY	12 - 14	13.1	12.8	11.0	12.0	7.7	9.0	5.9	5.6	4.9	6.2	12.3	14.3	9.6	10
	LT 3 MI	15 - 17	12.1	11.6	13.6	10.4	8.4	8.3	6.1	4.7	6.1	6.7	12.0	14.6	9.5	10
	ALL	18 - 20	13.7	12.5	13.8	15.2	10.3	6.5	8.8	7.8	5.6	6.1	11.2	12.1	10.3	10
LT 1500 FT	05 - 05	1.6	2.5	.8	.9	.0	.0	.0	1.8	.0	.0	2.2	3.2	1.1	10	
	CIG	06 - 08	2.9	1.4	.5	1.0	.6	.1	.5	.6	.1	.5	2.0	3.3	1.1	10
	AND/OR	09 - 11	2.5	1.9	1.0	1.2	.3	.3	.5	.1	.0	.8	2.1	2.6	1.1	10
	VSBY	12 - 14	2.5	1.6	1.4	.7	.7	.4	.2	.2	.6	.7	1.4	2.3	1.1	10
	LT 3 MI	15 - 17	2.6	1.0	2.0	1.9	.9	.7	.2	.1	.2	1.1	1.4	3.8	1.3	10
	ALL	18 - 20	2.1	1.4	1.9	1.4	.6	.3	.3	.3	.0	1.3	1.0	2.2	1.1	10
LT 1000 FT	05 - 05	.8	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	1.1	.2	10	
	CIG	06 - 08	1.2	.4	.1	.0	.5	.1	.0	.4	.1	.5	1.0	1.9	.5	10
	AND/OR	09 - 11	.9	.5	.2	.6	.2	.1	.0	.0	.0	.7	1.5	.8	.5	10
	VSBY	12 - 14	.3	.5	.5	.1	.3	.0	.0	.1	.3	.2	.9	1.0	.3	10
	LT 2 MI	15 - 17	1.0	.5	.9	1.2	.3	.0	.0	.0	.1	.1	.6	1.8	.5	10
	ALL	18 - 20	.9	.3	.7	.8	.1	.3	.0	.1	.0	.0	.8	1.0	.4	10
LT 200 FT	05 - 05	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	
	CIG	06 - 08	.7	0	0	0	0	0	0	0	0	0	0	0	.1	10
	AND/OR	09 - 11	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	VSBY	12 - 14	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	LT 1/2 MI	15 - 17	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	ALL	18 - 20	0	0	0	0	0	0	0	0	0	0	0	0	0	10
LT 22 MI	05 - 05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	CIG	06 - 08	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	AND/OR	09 - 11	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	VSBY	12 - 14	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	LT 2 MI	15 - 17	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	ALL	18 - 20	0	0	0	0	0	0	0	0	0	0	0	0	0	10

HURRICANES/TROPICAL STORMS OBSERVED FOR THE PERIOD 1965 - 1986:

HR/TS	JUL	AUG	SEP	OCT	NOV	ANN
60NM	0/1	0/0	0/0	0/0	0/0	0/1
120NM	0/1	0/0	0/1	0/0	1/0	1/2
240NM	1/1	0/2	0/1	0/0	1/0	2/4

REMARKS : @ SUMMARY OF DAY (SOD) DATA DERIVED EXCLUSIVELY FROM WHEELER AFB HI.

CB-2

## **DISTRIBUTION**

1WW/DN, Hickam AFB, HI 96853-5000 .....	1
20WS/DON, APO SF 96328-5000 .....	1
Det 7, 20WS, Wheeler AFB, HI 96854-5000 .....	1
USAFETAC/LDD, Scott AFB, IL 62225-5438 .....	1
OL-A, USAFETAC, Federal Building, Asheville, NC 28801-2723 .....	1
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